



The fontawesome-free package

Up-to-date Lua^AT_EX support for Font Awesome

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Version 1.0.1 (2024-11-13); contains version 6.6.0 of the Font Awesome fonts



Abstract

There are several packages on CTAN that provide access to the free *Font Awesome* icons, but these have all become outdated and are missing many icons from newer versions of Font Awesome. The **fontawesome-free** package deals with this problem by building the L^AT_EX support dynamically from data in the fonts themselves; updating the package is as simple as replacing the font files with newer ones . The drawback of this approach is that the package only works with Lua^AT_EX .

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1 Usage

The fontawesome-free package contains all 2,050 icons from the free subset of the Font Awesome `\fa` fonts. The package provides one command, `\fa`, with a single mandatory argument: the *(name)* of the icon. Some icons have light or “open” variants, like  versus . Those variants are accessed by adding `-o` to the icon name: `\fa{file-pdf-o}` versus `\fa{file-pdf}`. A full list of icons and their names is included in the appendices.

`\fa*` By default, the Font Awesome icons have varying widths. The `\fa` command has a starred variant `\fa*` that produces fixed-width icons, by centering them in a 1.25em wide box.

License

The Font Awesome Free fonts are released under the SIL Open Font License, version 1.1. The rest of this package is released under the LaTeX Project Public License, version 1.3c.

All brand icons are trademarks of their respective owners. The use of these trademarks does not indicate endorsement of the trademark holder by Font Awesome or the author, nor vice versa. **Please do not use brand logos for any purpose except to represent the company, product, or service to which they refer.**

*URL:  github.com/drs-p/fontawesome-free






































Appendix A List of icons







































	<i>address-book</i>
	<i>address-book-o</i>
	<i>address-card</i>
	<i>address-card-o</i>
	<i>align-center</i>
	<i>align-justify</i>
	<i>align-left</i>
	<i>align-right</i>
	<i>anchor</i>
	<i>anchor-circle-check</i>
	<i>anchor-circle-exclamation</i>
	<i>anchor-circle-xmark</i>
	<i>anchor-lock</i>
	<i>angle-down</i>
	<i>angle-left</i>
	<i>angle-right</i>
	<i>angle-up</i>
	<i>angles-down</i>
	<i>angles-left</i>
	<i>angles-right</i>
	<i>angles-up</i>
	<i>ankh</i>
	<i>apple-whole</i>
	<i>archway</i>
	<i>arrow-down</i>
	<i>arrow-down-1-9</i>
	<i>arrow-down-9-1</i>
	<i>arrow-down-a-z</i>
	<i>arrow-down-long</i>
	<i>arrow-down-short-wide</i>
	<i>arrow-down-up-across-line</i>
	<i>arrow-down-up-lock</i>
	<i>arrow-down-wide-short</i>
	<i>arrow-down-z-a</i>
	<i>arrow-left</i>
	<i>arrow-left-long</i>
	<i>arrow-pointer</i>
	<i>arrow-right</i>
	<i>arrow-right-arrow-left</i>

	<i>arrow-right-from-bracket</i>
	<i>arrow-right-long</i>
	<i>arrow-right-to-bracket</i>
	<i>arrow-right-to-city</i>
	<i>arrow-rotate-left</i>
	<i>arrow-rotate-right</i>
	<i>arrow-trend-down</i>
	<i>arrow-trend-up</i>
	<i>arrow-turn-down</i>
	<i>arrow-turn-up</i>
	<i>arrow-up</i>
	<i>arrow-up-1-9</i>
	<i>arrow-up-9-1</i>
	<i>arrow-up-a-z</i>
	<i>arrow-up-from-bracket</i>
	<i>arrow-up-from-ground-water</i>
	<i>arrow-up-from-water-pump</i>
	<i>arrow-up-long</i>
	<i>arrow-up-right-dots</i>
	<i>arrow-up-right-from-square</i>
	<i>arrow-up-short-wide</i>
	<i>arrow-up-wide-short</i>
	<i>arrow-up-z-a</i>
	<i>arrows-down-to-line</i>
	<i>arrows-down-to-people</i>
	<i>arrows-left-right</i>
	<i>arrows-left-right-to-line</i>
	<i>arrows-rotate</i>
	<i>arrows-spin</i>
	<i>arrows-split-up-and-left</i>
	<i>arrows-to-circle</i>
	<i>arrows-to-dot</i>
	<i>arrows-to-eye</i>
	<i>arrows-turn-right</i>
	<i>arrows-turn-to-dots</i>
	<i>arrows-up-down</i>
	<i>arrows-up-down-left-right</i>
	<i>arrows-up-to-line</i>
	<i>atom</i>
	<i>audio-description</i>
	<i>award</i>
	<i>baby</i>










































	<i>baby-carriage</i>
	<i>backward</i>
	<i>backward-fast</i>
	<i>backward-step</i>
	<i>bacon</i>
	<i>bacteria</i>
	<i>bacterium</i>
	<i>bag-shopping</i>
	<i>bahai</i>
	<i>ban</i>
	<i>ban-smoking</i>
	<i>bandage</i>
	<i>barcode</i>
	<i>bars</i>
	<i>bars-progress</i>
	<i>bars-staggered</i>
	<i>baseball</i>
	<i>baseball-bat-ball</i>
	<i>basket-shopping</i>
	<i>basketball</i>
	<i>bath</i>
	<i>battery-empty</i>
	<i>battery-full</i>
	<i>battery-half</i>
	<i>battery-quarter</i>
	<i>battery-three-quarters</i>
	<i>bed</i>
	<i>bed-pulse</i>
	<i>beer-mug-empty</i>
	<i>bell</i>
	<i>bell-concierge</i>
	<i>bell-o</i>
	<i>bell-slash</i>
	<i>bell-slash-o</i>
	<i>bezier-curve</i>
	<i>bicycle</i>
	<i>binoculars</i>
	<i>biohazard</i>
	<i>blender</i>
	<i>blender-phone</i>
	<i>blog</i>
	<i>bold</i>











































 bolt
 bolt-lightning
 bomb
 bone
 bong
 book
 book-atlas
 book-bible
 book-bookmark
 book-journal-whills
 book-medical
 book-open
 book-open-reader
 book-quran
 book-skull
 book-tanakh
 bookmark
 bookmark-o
 border-all
 border-none
 border-top-left
 bore-hole
 bottle-droplet
 bottle-water
 bowl-food
 bowl-rice
 bowling-ball
 box
 box-archive
 box-open
 box-tissue
 boxes-packing
 boxes-stacked
 braille
 brain
 bread-slice
 bridge
 bridge-circle-check
 bridge-circle-exclamation
 bridge-circle-xmark
 bridge-lock
 bridge-water










































 briefcase
 briefcase-medical
 broom
 broom-ball
 brush
 bucket
 bug
 bug-slash
 bugs
 building
 building-circle-arrow-right
 building-circle-check
 building-circle-exclamation
 building-circle-xmark
 building-columns
 building-flag
 building-lock
 building-ngo
 building-o
 building-shield
 building-un
 building-user
 building-wheat
 bullhorn
 bullseye
 burger
 burst
 bus
 bus-simple
 business-time
 cable-car
 cake-candles
 calculator
 calendar
 calendar-check
 calendar-check-o
 calendar-day
 calendar-days
 calendar-days-o
 calendar-minus
 calendar-minus-o

 calendar-o
 calendar-plus
 calendar-plus-o
 calendar-week
 calendar-xmark
 calendar-xmark-o
 camera
 camera-retro
 camera-rotate
 campground
 candy-cane
 cannabis
 capsules
 car
 car-battery
 car-burst
 car-on
 car-rear
 car-side
 car-tunnel
 caravan
 caret-down
 caret-left
 caret-right
 caret-up
 carrot
 cart-arrow-down
 cart-flatbed
 cart-flatbed-suitcase
 cart-plus
 cart-shopping
 cash-register
 cat
 certificate
 chair
 chalkboard
 chalkboard-user
 champagne-glasses
 charging-station
 chart-area
 chart-bar
 chart-bar-o

 *chart-column*
 *chart-gantt*
 *chart-line*
 *chart-pie*
 *chart-simple*
 *check*
 *check-double*
 *check-to-slot*
 *cheese*
 *chess*
 *chess-bishop*
 *chess-bishop-o*
 *chess-board*
 *chess-king*
 *chess-king-o*
 *chess-knight*
 *chess-knight-o*
 *chess-pawn*
 *chess-pawn-o*
 *chess-queen*
 *chess-queen-o*
 *chess-rook*
 *chess-rook-o*
 *chevron-down*
 *chevron-left*
 *chevron-right*
 *chevron-up*
 *child*
 *child-combatant*
 *child-dress*
 *child-reaching*
 *children*
 *church*
 *circle*
 *circle-arrow-down*
 *circle-arrow-left*
 *circle-arrow-right*
 *circle-arrow-up*
 *circle-check*
 *circle-check-o*
 *circle-chevron-down*
 *circle-chevron-left*

 *circle-chevron-right*
 *circle-chevron-up*
 *circle-dollar-to-slot*
 *circle-dot*
 *circle-dot-o*
 *circle-down*
 *circle-down-o*
 *circle-exclamation*
 *circle-h*
 *circle-half-stroke*
 *circle-info*
 *circle-left*
 *circle-left-o*
 *circle-minus*
 *circle-nodes*
 *circle-notch*
 *circle-o*
 *circle-pause*
 *circle-pause-o*
 *circle-play*
 *circle-play-o*
 *circle-plus*
 *circle-question*
 *circle-question-o*
 *circle-radiation*
 *circle-right*
 *circle-right-o*
 *circle-stop*
 *circle-stop-o*
 *circle-up*
 *circle-up-o*
 *circle-user*
 *circle-user-o*
 *circle-xmark*
 *circle-xmark-o*
 *city*
 *clapperboard*
 *clipboard*
 *clipboard-check*
 *clipboard-list*
 *clipboard-o*










































 *clipboard-question*
 *clipboard-user*
 *clock*
 *clock-o*
 *clock-rotate-left*
 *clone*
 *clone-o*
 *closed-captioning*
 *closed-captioning-o*
 *cloud*
 *cloud-arrow-down*
 *cloud-arrow-up*
 *cloud-bolt*
 *cloud-meatball*
 *cloud-moon*
 *cloud-moon-rain*
 *cloud-rain*
 *cloud-showers-heavy*
 *cloud-showers-water*
 *cloud-sun*
 *cloud-sun-rain*
 *clover*
 *code*
 *code-branch*
 *code-commit*
 *code-compare*
 *code-fork*
 *code-merge*
 *code-pull-request*
 *coins*
 *comment*
 *comment-dollar*
 *comment-dots*
 *comment-dots-o*
 *comment-medical*
 *comment-o*
 *comment-slash*
 *comment-sms*
 *comments*
 *comments-dollar*
 *comments-o*
 *compact-disc*

 *compass*
 *compass-drafting*
 *compass-o*
 *compress*
 *computer*
 *computer-mouse*
 *cookie*
 *cookie-bite*
 *copy*
 *copy-o*
 *copyright*
 *copyright-o*
 *couch*
 *cow*
 *credit-card*
 *credit-card-o*
 *crop*
 *crop-simple*
 *cross*
 *crosshairs*
 *crow*
 *crown*
 *crutch*
 *cube*
 *cubes*
 *cubes-stacked*
 *database*
 *delete-left*
 *democrat*
 *desktop*
 *dharmachakra*
 *diagram-next*
 *diagram-predecessor*
 *diagram-project*
 *diagram-successor*
 *diamond*
 *diamond-turn-right*
 *dice*
 *dice-d20*
 *dice-d6*
 *dice-five*
 dice-four

 *dice-one*
 *dice-six*
 *dice-three*
 *dice-two*
 *disease*
 *display*
 *dna*
 *dog*
 *dolly*
 *door-closed*
 *door-open*
 *dove*
 *down-left-and-up-right-to-center*
 *down-long*
 *download*
 *dragon*
 *draw-polygon*
 *droplet*
 *droplet-slash*
 *drum*
 *drum-steelpan*
 *drumstick-bite*
 *dumbbell*
 *dumpster*
 *dumpster-fire*
 *dungeon*
 *ear-deaf*
 *ear-listen*
 *earth-africa*
 *earth-america*
 *earth-asia*
 *earth-europe*
 *earth-oceania*
 *egg*
 *eject*
 *elevator*
 *ellipsis*
 *ellipsis-vertical*
 *envelope*
 *envelope-circle-check*
 *envelope-o*
 envelope-open

 *envelope-open-o*
 *envelope-open-text*
 *envelopes-bulk*
 *eraser*
 *ethernet*
 *expand*
 *explosion*
 *eye*
 *eye-dropper*
 *eye-low-vision*
 *eye-o*
 *eye-slash*
 *eye-slash-o*
 *face-angry*
 *face-angry-o*
 *face-dizzy*
 *face-dizzy-o*
 *face-flushed*
 *face-flushed-o*
 *face-frown*
 *face-frown-o*
 *face-frown-open*
 *face-frown-open-o*
 *face-grimace*
 *face-grimace-o*
 *face-grin*
 *face-grin-beam*
 *face-grin-beam-o*
 *face-grin-beam-sweat*
 *face-grin-beam-sweat-o*
 *face-grin-hearts*
 *face-grin-hearts-o*
 *face-grin-o*
 *face-grin-squint*
 *face-grin-squint-o*
 *face-grin-squint-tears*
 *face-grin-squint-tears-o*
 *face-grin-stars*
 *face-grin-stars-o*
 *face-grin-tears*
 *face-grin-tears-o*

 *face-grin-tongue*
 *face-grin-tongue-o*
 *face-grin-tongue-squint*
 *face-grin-tongue-squint-o*
 *face-grin-tongue-wink*
 *face-grin-tongue-wink-o*
 *face-grin-wide*
 *face-grin-wide-o*
 *face-grin-wink*
 *face-grin-wink-o*
 *face-kiss*
 *face-kiss-beam*
 *face-kiss-beam-o*
 *face-kiss-o*
 *face-kiss-wink-heart*
 *face-kiss-wink-heart-o*
 *face-laugh*
 *face-laugh-beam*
 *face-laugh-beam-o*
 *face-laugh-o*
 *face-laugh-squint*
 *face-laugh-squint-o*
 *face-laugh-wink*
 *face-laugh-wink-o*
 *face-meh*
 *face-meh-blank*
 *face-meh-blank-o*
 *face-meh-o*
 *face-rolling-eyes*
 *face-rolling-eyes-o*
 *face-sad-cry*
 *face-sad-cry-o*
 *face-sad-tear*
 *face-sad-tear-o*
 *face-smile*
 *face-smile-beam*
 *face-smile-beam-o*
 *face-smile-o*
 *face-smile-wink*
 *face-smile-wink-o*
 *face-surprise*

 *face-surprise-o*
 *face-tired*
 *face-tired-o*
 *fan*
 *faucet*
 *faucet-drip*
 *fax*
 *feather*
 *feather-pointed*
 *ferry*
 *file*
 *file-arrow-down*
 *file-arrow-up*
 *file-audio*
 *file-audio-o*
 *file-circle-check*
 *file-circle-exclamation*
 *file-circle-minus*
 *file-circle-plus*
 *file-circle-question*
 *file-circle-xmark*
 *file-code*
 *file-code-o*
 *file-contract*
 *file-csv*
 *file-excel*
 *file-excel-o*
 *file-export*
 *file-image*
 *file-image-o*
 *file-import*
 *file-invoice*
 *file-invoice-dollar*
 *file-lines*
 *file-lines-o*
 *file-medical*
 *file-o*
 *file-pdf*
 *file-pdf-o*
 *file-pen*
 *file-powerpoint*


 *file-powerpoint-o*
 *file-prescription*
 *file-shield*
 *file-signature*
 *file-video*
 *file-video-o*
 *file-waveform*
 *file-word*
 *file-word-o*
 *file-zipper*
 *file-zipper-o*
 *fill*
 *fill-drip*
 *film*
 *filter*
 *filter-circle-dollar*
 *filter-circle-xmark*
 *fingerprint*
 *fire*
 *fire-burner*
 *fire-extinguisher*
 *fire-flame-curved*
 *fire-flame-simple*
 *fish*
 *fish-fins*
 *flag*
 *flag-checkered*
 *flag-o*
 *flag-usa*
 *flask*
 *flask-vial*
 *floppy-disk*
 *floppy-disk-o*
 *folder*
 *folder-closed*
 *folder-closed-o*
 *folder-minus*
 *folder-o*
 *folder-open*
 *folder-open-o*
 *folder-plus*
 *folder-tree*

A font
 font-awesome
 font-awesome-o
 football
 forward
 forward-fast
 forward-step
 frog
 futbol
 futbol-o
 gamepad
 gas-pump
 gauge
 gauge-high
 gauge-simple
 gauge-simple-high
 gavel
 gear
 gears
 gem
 gem-o
 genderless
 ghost
 gift
 gifts
 glass-water
 glass-water-droplet
 glasses
 globe
 golf-ball-tee
 gopuram
 graduation-cap
 grip
 grip-lines
 grip-lines-vertical
 grip-vertical
 group-arrows-rotate
 guitar
 gun
 hammer
 hamsa
 hand










































hand-back-fist
 hand-back-fist-o
 hand-dots
 hand-fist
 hand-holding
 hand-holding-dollar
 hand-holding-droplet
 hand-holding-hand
 hand-holding-heart
 hand-holding-medical
 hand-lizard
 hand-lizard-o
 hand-middle-finger
 hand-o
 hand-peace
 hand-peace-o
 hand-point-down
 hand-point-down-o
 hand-point-left
 hand-point-left-o
 hand-point-right
 hand-point-right-o
 hand-point-up
 hand-point-up-o
 hand-pointer
 hand-pointer-o
 hand-scissors
 hand-scissors-o
 hand-sparkles
 hand-spock
 hand-spock-o
 handcuffs
 hands
 hands-asl-interpreting
 hands-bound
 hands-bubbles
 hands-clapping
 hands-holding
 hands-holding-child
 hands-holding-circle
 hands-praying

handshake
 handshake-angle
 handshake-o
 handshake-simple
 handshake-simple-slash
 handshake-slash
 hanukiah
 hard-drive
 hard-drive-o
 hat-cowboy
 hat-cowboy-side
 hat-wizard
 head-side-cough
 head-side-cough-slash
 head-side-mask
 head-side-virus
 heading
 headphones
 headphones-simple
 headset
 heart
 heart-circle-bolt
 heart-circle-check
 heart-circle-exclamation
 heart-circle-minus
 heart-circle-plus
 heart-circle-xmark
 heart-crack
 heart-o
 heart-pulse
 helicopter
 helicopter-symbol
 helmet-safety
 helmet-un
 highlighter
 hill-avalanche
 hill-rockslide
 hippo
 hockey-puck
 holly-berry
 horse
 horse-head










































	<i>hospital</i>
	<i>hospital-o</i>
	<i>hospital-user</i>
	<i>hot-tub-person</i>
	<i>hotdog</i>
	<i>hotel</i>
	<i>hourglass</i>
	<i>hourglass-end</i>
	<i>hourglass-half</i>
	<i>hourglass-half-o</i>
	<i>hourglass-o</i>
	<i>hourglass-start</i>
	<i>house</i>
	<i>house-chimney</i>
	<i>house-chimney-crack</i>
	<i>house-chimney-medical</i>
	<i>house-chimney-user</i>
	<i>house-chimney-window</i>
	<i>house-circle-check</i>
	<i>house-circle-exclamation</i>
	<i>house-circle-xmark</i>
	<i>house-crack</i>
	<i>house-fire</i>
	<i>house-flag</i>
	<i>house-flood-water</i>
	<i>house-flood-water-circle-arrow-right</i>
	<i>house-laptop</i>
	<i>house-lock</i>
	<i>house-medical</i>
	<i>house-medical-circle-check</i>
	<i>house-medical-circle-exclamation</i>
	<i>house-medical-circle-xmark</i>
	<i>house-medical-flag</i>
	<i>house-signal</i>
	<i>house-tsunami</i>
	<i>house-user</i>
	<i>hurricane</i>
	<i>i-cursor</i>
	<i>ice-cream</i>
	<i>icicles</i>
	<i>icons</i>

	<i>id-badge</i>
	<i>id-badge-o</i>
	<i>id-card</i>
	<i>id-card-clip</i>
	<i>id-card-o</i>
	<i>igloo</i>
	<i>image</i>
	<i>image-o</i>
	<i>image-portrait</i>
	<i>images</i>
	<i>images-o</i>
	<i>inbox</i>
	<i>indent</i>
	<i>industry</i>
	<i>infinity</i>
	<i>info</i>
	<i>italic</i>
	<i>jar</i>
	<i>jar-wheat</i>
	<i>jedi</i>
	<i>jet-fighter</i>
	<i>jet-fighter-up</i>
	<i>joint</i>
	<i>jug-detergent</i>
	<i>kaaba</i>
	<i>key</i>
	<i>keyboard</i>
	<i>keyboard-o</i>
	<i>khanda</i>
	<i>kit-medical</i>
	<i>kitchen-set</i>
	<i>kiwi-bird</i>
	<i>land-mine-on</i>
	<i>landmark</i>
	<i>landmark-dome</i>
	<i>landmark-flag</i>
	<i>language</i>
	<i>laptop</i>
	<i>laptop-code</i>
	<i>laptop-file</i>
	<i>laptop-medical</i>
	<i>layer-group</i>

	<i>leaf</i>
	<i>left-long</i>
	<i>left-right</i>
	<i>lemon</i>
	<i>lemon-o</i>
	<i>life-ring</i>
	<i>life-ring-o</i>
	<i>lightbulb</i>
	<i>lightbulb-o</i>
	<i>lines-leaning</i>
	<i>link</i>
	<i>link-slash</i>
	<i>list</i>
	<i>list-check</i>
	<i>list-ol</i>
	<i>list-ul</i>
	<i>location-arrow</i>
	<i>location-crosshairs</i>
	<i>location-dot</i>
	<i>location-pin</i>
	<i>location-pin-lock</i>
	<i>lock</i>
	<i>lock-open</i>
	<i>locust</i>
	<i>lungs</i>
	<i>lungs-virus</i>
	<i>magnet</i>
	<i>magnifying-glass</i>
	<i>magnifying-glass-arrow-right</i>
	<i>magnifying-glass-chart</i>
	<i>magnifying-glass-dollar</i>
	<i>magnifying-glass-location</i>
	<i>magnifying-glass-minus</i>
	<i>magnifying-glass-plus</i>
	<i>map</i>
	<i>map-location</i>
	<i>map-location-dot</i>
	<i>map-o</i>
	<i>map-pin</i>
	<i>marker</i>
	<i>mars</i>
	<i>mars-and-venus</i>


 mars-and-venus-burst
 mars-double
 mars-stroke
 mars-stroke-right
 mars-stroke-up
 martini-glass
 martini-glass-citrus
 martini-glass-empty
 mask
 mask-face
 mask-ventilator
 masks-theater
 mattress-pillow
 maximize
 medal
 memory
 menorah
 mercury
 message
 message-o
 meteor
 microchip
 microphone
 microphone-lines
 microphone-lines-slash
 microphone-slash
 microscope
 minimize
 mitten
 mobile
 mobile-button
 mobile-retro
 mobile-screen
 mobile-screen-button
 money-bill
 money-bill-1
 money-bill-1-o
 money-bill-1-wave
 money-bill-transfer
 money-bill-trend-up
 money-bill-wave

 money-bill-wheat
 money-bills
 money-check
 money-check-dollar
 monument
 moon
 moon-o
 mortar-pestle
 mosque
 mosquito
 mosquito-net
 motorcycle
 mound
 mountain
 mountain-city
 mountain-sun
 mug-hot
 mug-saucer
 music
 network-wired
 neuter
 newspaper
 newspaper-o
 not-equal
 note-sticky
 note-sticky-o
 notes-medical
 object-group
 object-group-o
 object-ungroup
 object-ungroup-o
 oil-can
 oil-well
 om
 otter
 outdent
 pager
 paint-roller
 paintbrush
 palette
 pallet
 panorama

 paper-plane
 paper-plane-o
 paperclip
 parachute-box
 paragraph
 passport
 paste
 paste-o
 pause
 paw
 peace
 pen
 pen-clip
 pen-fancy
 pen-nib
 pen-ruler
 pen-to-square
 pen-to-square-o
 pencil
 people-arrows
 people-carry-box
 people-group
 people-line
 people-pulling
 people-robbery
 people-roof
 pepper-hot
 person
 person-arrow-down-to-line
 person-arrow-up-from-line
 person-biking
 person-booth
 person-breastfeeding
 person-burst
 person-cane
 person-chalkboard
 person-circle-check
 person-circle-exclamation
 person-circle-minus
 person-circle-plus
 person-circle-question
























 *person-circle-xmark*
 *person-digging*
 *person-dots-from-line*
 *person-dress*
 *person-dress-burst*
 *person-drowning*
 *person-falling*
 *person-falling-burst*
 *person-half-dress*
 *person-harassing*
 *person-hiking*
 *person-military-pointing*
 *person-military-rifle*
 *person-military-to-person*
 *person-praying*
 *person-pregnant*
 *person-rays*
 *person-rifle*
 *person-running*
 *person-shelter*
 *person-skating*
 *person-skiing*
 *person-skiing-nordic*
 *person-snowboarding*
 *person-swimming*
 *person-through-window*
 *person-walking*
 *person-walking-arrow-loop-left*
 *person-walking-arrow-right*
 *person-walking-dashed-line-arrow-right*
 *person-walking-luggage*
 *person-walking-with-cane*
 *phone*
 *phone-flip*
 *phone-slash*
 *phone-volume*
 *photo-film*
 *piggy-bank*
 *pills*
 *pizza-slice*
 *place-of-worship*





































 *plane*
 *plane-arrival*
 *plane-circle-check*
 *plane-circle-exclamation*
 *plane-circle-xmark*
 *plane-departure*
 *plane-lock*
 *plane-slash*
 *plane-up*
 *plant-wilt*
 *plate-wheat*
 *play*
 *plug*
 *plug-circle-bolt*
 *plug-circle-check*
 *plug-circle-exclamation*
 *plug-circle-minus*
 *plug-circle-plus*
 *plug-circle-xmark*
 *podcast*
 *poo*
 *poo-storm*
 *poop*
 *power-off*
 *prescription*
 *prescription-bottle*
 *prescription-bottle-medical*
 *print*
 *pump-medical*
 *pump-soap*
 *puzzle-piece*
 *qrcode*
 *quote-left*
 *quote-right*
 *radiation*
 *radio*
 *rainbow*
 *ranking-star*
 *receipt*
 *record-vinyl*
 *rectangle-ad*

 *rectangle-list*
 *rectangle-list-o*
 *rectangle-xmark*
 *rectangle-xmark-o*
 *recycle*
 *registered*
 *registered-o*
 *repeat*
 *reply*
 *reply-all*
 *republican*
 *restroom*
 *retweet*
 *ribbon*
 *right-from-bracket*
 *right-left*
 *right-long*
 *right-to-bracket*
 *ring*
 *road*
 *road-barrier*
 *road-bridge*
 *road-circle-check*
 *road-circle-exclamation*
 *road-circle-xmark*
 *road-lock*
 *road-spikes*
 *robot*
 *rocket*
 *rotate*
 *rotate-left*
 *rotate-right*
 *route*
 *rss*
 *rug*
 *ruler*
 *ruler-combined*
 *ruler-horizontal*
 *ruler-vertical*
 *sack-dollar*
 *sack-xmark*
 sailboat

 *satellite*
 *satellite-dish*
 *scale-balanced*
 *scale-unbalanced*
 *scale-unbalanced-flip*
 *school*
 *school-circle-check*
 *school-circle-exclamation*
 *school-circle-xmark*
 *school-flag*
 *school-lock*
 *scissors*
 *screwdriver*
 *screwdriver-wrench*
 *scroll*
 *scroll-torah*
 *sd-card*
 *section*
 *seedling*
 *server*
 *shapes*
 *share*
 *share-from-square*
 *share-from-square-o*
 *share-nodes*
 *sheet-plastic*
 *shield*
 *shield-cat*
 *shield-dog*
 *shield-halved*
 *shield-heart*
 *shield-virus*
 *ship*
 *shirt*
 *shoe-prints*
 *shop*
 *shop-lock*
 *shop-slash*
 *shower*
 *shrimp*
 *shuffle*

 *shuttle-space*
 *sign-hanging*
 *signal*
 *signature*
 *signs-post*
 *sim-card*
 *sink*
 *sitemap*
 *skull*
 *skull-crossbones*
 *slash*
 *sleigh*
 *sliders*
 *smog*
 *smoking*
 *snowflake*
 *snowflake-o*
 *snowman*
 *snowplow*
 *soap*
 *socks*
 *solar-panel*
 *sort*
 *sort-down*
 *sort-up*
 *spa*
 *spaghetti-monster-flying*
 *spell-check*
 *spider*
 *spinner*
 *splotch*
 *spoon*
 *spray-can*
 *spray-can-sparkles*
 *square*
 *square-arrow-up-right*
 *square-caret-down*
 *square-caret-down-o*
 *square-caret-left*
 *square-caret-left-o*
 *square-caret-right*
 *square-caret-right-o*

 *square-caret-up*
 *square-caret-up-o*
 *square-check*
 *square-check-o*
 *square-envelope*
 *square-full*
 *square-full-o*
 *square-h*
 *square-minus*
 *square-minus-o*
 *square-nfi*
 *square-o*
 *square-parking*
 *square-pen*
 *square-person-confined*
 *square-phone*
 *square-phone-flip*
 *square-plus*
 *square-plus-o*
 *square-poll-horizontal*
 *square-poll-vertical*
 *square-root-variable*
 *square-rss*
 *square-share-nodes*
 *square-up-right*
 *square-virus*
 *square-xmark*
 *staff-snake*
 *stairs*
 *stamp*
 *stapler*
 *star*
 *star-and-crescent*
 *star-half*
 *star-half-o*
 *star-half-stroke*
 *star-half-stroke-o*
 *star-o*
 *star-of-david*
 *star-of-life*
 *stethoscope*
 *stop*

 *stopwatch*
 *stopwatch-20*
 *store*
 *store-slash*
 *street-view*
 *strikethrough*
 *stroopwafel*
 *subscript*
 *suitcase*
 *suitcase-medical*
 *suitcase-rolling*
 *sun*
 *sun-o*
 *sun-plant-wilt*
 *superscript*
 *swatchbook*
 *synagogue*
 *syringe*
 *table*
 *table-cells*
 *table-cells-column-lock*
 *table-cells-large*
 *table-cells-row-lock*
 *table-cells-row-unlock*
 *table-columns*
 *table-list*
 *table-tennis-paddle-ball*
 *tablet*
 *tablet-button*
 *tablet-screen-button*
 *tablets*
 *tachograph-digital*
 *tag*
 *tags*
 *tape*
 *tarp*
 *tarp-droplet*
 *taxi*
 *teeth*
 *teeth-open*
 *temperature-arrow-down*
 temperature-arrow-up

 *temperature-empty*
 *temperature-full*
 *temperature-half*
 *temperature-high*
 *temperature-low*
 *temperature-quarter*
 *temperature-three-quarters*
 *tent*
 *tent-arrow-down-to-line*
 *tent-arrow-left-right*
 *tent-arrow-turn-left*
 *tent-arrows-down*
 *tents*
 *terminal*
 *text-height*
 *text-slash*
 *text-width*
 *thermometer*
 *thumbs-down*
 *thumbs-down-o*
 *thumbs-up*
 *thumbs-up-o*
 *thumbtack*
 *thumbtack-slash*
 *ticket*
 *ticket-simple*
 *timeline*
 *toggle-off*
 *toggle-on*
 *toilet*
 *toilet-paper*
 *toilet-paper-slash*
 *toilet-portable*
 *toilets-portable*
 *toolbox*
 *tooth*
 *torii-gate*
 *tornado*
 *tower-broadcast*
 *tower-cell*
 *tower-observation*
 tractor

 *traffic-light*
 *trailer*
 *train*
 *train-subway*
 *train-tram*
 *transgender*
 *trash*
 *trash-arrow-up*
 *trash-can*
 *trash-can-arrow-up*
 *trash-can-o*
 *tree*
 *tree-city*
 *triangle-exclamation*
 *trophy*
 *trowel*
 *trowel-bricks*
 *truck*
 *truck-arrow-right*
 *truck-droplet*
 *truck-fast*
 *truck-field*
 *truck-field-un*
 *truck-front*
 *truck-medical*
 *truck-monster*
 *truck-moving*
 *truck-pickup*
 *truck-plane*
 *truck-ramp-box*
 *tty*
 *turn-down*
 *turn-up*
 *tv*
 *umbrella*
 *umbrella-beach*
 *underline*
 *universal-access*
 *unlock*
 *unlock-keyhole*
 *up-down*

⬆↗	<i>up-down-left-right</i>
↗	<i>up-long</i>
↗↘	<i>up-right-and-down-left-from-center</i>
⬆↖	<i>up-right-from-square</i>
⬆	<i>upload</i>
👤	<i>user</i>
👨🚀	<i>user-astronaut</i>
👨🔍	<i>user-check</i>
🕒👤	<i>user-clock</i>
👨⚕️	<i>user-doctor</i>
⚙️👤	<i>user-gear</i>
🎓👤	<i>user-graduate</i>
👤👤	<i>user-group</i>
👤🚑	<i>user-injured</i>
👤📏	<i>user-large</i>
👤/	<i>user-large-slash</i>
🔒👤	<i>user-lock</i>
➖👤	<i>user-minus</i>
🥷👤	<i>user-ninja</i>
👤🧑	<i>user-nurse</i>
👤	<i>user-o</i>
👤🖋️	<i>user-pen</i>
➕👤	<i>user-plus</i>
🔐👤	<i>user-secret</i>
🛡️👤	<i>user-shield</i>
👤/	<i>user-slash</i>
👤🏷️	<i>user-tag</i>
👤👤	<i>user-tie</i>
👤✂️	<i>user-xmark</i>
👤	<i>users</i>
👤👤👤	<i>users-between-lines</i>
⚙️👤	<i>users-gear</i>
👤👤👤	<i>users-line</i>
👤👤👤	<i>users-rays</i>
👤👤👤	<i>users-rectangle</i>
👤👤👤	<i>users-slash</i>
👤👤👤	<i>users-viewfinder</i>
🔧	<i>utensils</i>
🚚	<i>van-shuttle</i>
🏠	<i>vault</i>
📐	<i>vector-square</i>

♀	<i>venus</i>
♀♀	<i>venus-double</i>
♀♂	<i>venus-mars</i>
👤	<i>vest</i>
👤👤	<i>vest-patches</i>
🧪	<i>vial</i>
🧪👤	<i>vial-circle-check</i>
🧪🦠	<i>vial-virus</i>
🧪	<i>vials</i>
📺	<i>video</i>
📺/	<i>video-slash</i>
🏪	<i>vihara</i>
🦠	<i>virus</i>
🦠🦠	<i>virus-covid</i>
🦠/	<i>virus-covid-slash</i>
🦠/	<i>virus-slash</i>
🦠	<i>viruses</i>
📧	<i>voicemail</i>
🌋	<i>volcano</i>
🏐	<i>volleyball</i>
🔊	<i>volume-high</i>
🔊	<i>volume-low</i>
🔊	<i>volume-off</i>
🔊✂️	<i>volume-xmark</i>
📦	<i>vr-cardboard</i>
🗨️	<i>walkie-talkie</i>
👛	<i>wallet</i>
🪄	<i>wand-magic</i>
🪄🔥	<i>wand-magic-sparkles</i>
🪄	<i>wand-sparkles</i>
🏪	<i>warehouse</i>
💧	<i>water</i>
🪜	<i>water-ladder</i>
👤👤	<i>wave-square</i>
👤👤	<i>web-awesome</i>
🏊	<i>weight-hanging</i>
🏊	<i>weight-scale</i>
🌾	<i>wheat-awn</i>
🌾👤	<i>wheat-awn-circle-exclamation</i>
🦽	<i>wheelchair</i>
🦽👤	<i>wheelchair-move</i>
🍷	<i>whiskey-glass</i>

📶	<i>wifi</i>
🌬️	<i>wind</i>
🖥️	<i>window-maximize</i>
🖥️	<i>window-maximize-o</i>
🖥️	<i>window-minimize</i>
🖥️	<i>window-minimize-o</i>
🖥️	<i>window-restore</i>
🖥️	<i>window-restore-o</i>
🍷	<i>wine-bottle</i>
🍷	<i>wine-glass</i>
🍷	<i>wine-glass-empty</i>
🪱	<i>worm</i>
🔧	<i>wrench</i>
🦋	<i>x-ray</i>
✂️	<i>xmark</i>
✂️	<i>xmarks-lines</i>
☯️	<i>yin-yang</i>

Appendix B List of brands

 42-group
 500px
 accessible-icon
 accusoft
 adn
 adversal
 affiliatetheme
 airbnb
 algolia
 alipay
 amazon
 amazon-pay
 amilia
 android
 angellist
 angrycreative
 angular
 app-store
 app-store-ios
 apper
 apple
 apple-pay
 artstation
 asymmetrik
 atlassian
 audible
 autoprefixer
 avianex
 aviato
 aws
 bandcamp
 battle-net
 behance
 bilibili
 bimobject
 bitbucket
 bitcoin
 bity
 black-tie

 blackberry
 blogger
 blogger-b
 bluesky
 bluetooth
 bluetooth-b
 bootstrap
 bots
 brave
 brave-reverse
 btc
 buffer
 buromobelexperte
 buy-n-large
 buysellads
 canadian-maple-leaf
 cc-amazon-pay
 cc-amex
 cc-apple-pay
 cc-diners-club
 cc-discover
 cc-jcb
 cc-mastercard
 cc-paypal
 cc-stripe
 cc-visa
 centercode
 centos
 chrome
 chromecast
 cloudflare
 cloudscale
 cloudsmith
 cloudversify
 cmplid
 codepen
 codiepie
 confluence
 connectdevelop
 contao
 cotton-bureau
 cpanel


 creative-commons
 creative-commons-by
 creative-commons-nc
 creative-commons-nc-eu
 creative-commons-nc-jp
 creative-commons-nd
 creative-commons-pd
 creative-commons-pd-alt
 creative-commons-remix
 creative-commons-sa
 creative-commons-sampling
 creative-commons-sampling-plus
 creative-commons-share
 creative-commons-zero
 critical-role
 css3
 css3-alt
 cuttlefish
 d-and-d
 d-and-d-beyond
 dailymotion
 dart-lang
 dashcube
 debian
 deezer
 delicious
 deploydog
 deskpro
 dev
 deviantart
 dhl
 diaspora
 digg
 digital-ocean
 discord
 discourse
 dochub
 docker
 draft2digital
 dribbble
 dropbox
 drupal

 dyalog
 earlybirds
 ebay
 edge
 edge-legacy
 elementor
 ello
 ember
 empire
 envira
 erlang
 ethereum
 etsy
 evernote
 expeditedssl
 facebook
 facebook-f
 facebook-messenger
 fantasy-flight-games
 fedex
 fedora
 figma
 firefox
 firefox-browser
 first-order
 first-order-alt
 firstdraft
 flickr
 flipboard
 flutter
 fly
 font-awesome
 fonticons
 fonticons-fi
 fort-awesome
 fort-awesome-alt
 forumbee
 foursquare
 free-code-camp
 freebsd
 fulcrum
 galactic-republic

 galactic-senate
 get-pocket
 gg
 gg-circle
 git
 git-alt
 github
 github-alt
 gitkraken
 gitlab
 gitter
 glide
 glide-g
 gofore
 golang
 goodreads
 goodreads-g
 google
 google-drive
 G Pay
 google-play
 google-plus
 google-plus-g
 google-scholar
 google-wallet
 gratipay
 grav
 gripfire
 grunt
 guilded
 gulp
 hacker-news
 hackerrank
 hashnode
 hips
 hire-a-helper
 hive
 hooli
 hornbill
 hotjar
 houzz
 html5

 hubspot
 ideal
 imdb
 instagram
 instalod
 intercom
 internet-explorer
 invision
 ioxhost
 itch-io
 itunes
 itunes-note
 java
 jedi-order
 jenkins
 jira
 joget
 joomla
 js
 jsfiddle
 jxl
 kaggle
 keybase
 keycdn
 kickstarter
 kickstarter-k
 korvue
 laravel
 lastfm
 leanpub
 {less}
 letterboard
 line
 linkedin
 linkedin-in
 linode
 linux
 lyft
 magento
 mailchimp
 mandalorian
 M+

	<i>mastodon</i>		<i>pagelines</i>		<i>rockrms</i>
	<i>maxcdn</i>		<i>palfed</i>		<i>rust</i>
	<i>mdb</i>		<i>patreon</i>		<i>safari</i>
	<i>medapps</i>		<i>paypal</i>		<i>salesforce</i>
	<i>medium</i>		<i>perbyte</i>		<i>sass</i>
	<i>medrt</i>		<i>periscope</i>		<i>schlix</i>
	<i>meetup</i>		<i>phabricator</i>		<i>screenpal</i>
	<i>megaport</i>		<i>phoenix-framework</i>		<i>scribd</i>
	<i>mendeley</i>		<i>phoenix-squadron</i>		<i>searchengin</i>
	<i>meta</i>		<i>php</i>		<i>sellcast</i>
	<i>microblog</i>		<i>pied-piper</i>		<i>sellsy</i>
	<i>microsoft</i>		<i>pied-piper-alt</i>		<i>servicestack</i>
	<i>mintbit</i>		<i>pied-piper-hat</i>		<i>shirtsinbulk</i>
	<i>mix</i>		<i>pied-piper-pp</i>		<i>shoelace</i>
	<i>mixcloud</i>		<i>pinterest</i>		<i>shopify</i>
	<i>mixer</i>		<i>pinterest-p</i>		<i>shopware</i>
	<i>mizuni</i>		<i>pix</i>		<i>signal-messenger</i>
	<i>modx</i>		<i>pixiv</i>		<i>simplybuilt</i>
	<i>monero</i>		<i>playstation</i>		<i>sistrix</i>
	<i>napster</i>		<i>product-hunt</i>		<i>sith</i>
	<i>neos</i>		<i>pushed</i>		<i>sitrox</i>
	<i>nfc-directional</i>		<i>python</i>		<i>sketch</i>
	<i>nfc-symbol</i>		<i>qq</i>		<i>skyatlas</i>
	<i>nimblr</i>		<i>quinscape</i>		<i>skype</i>
	<i>node</i>		<i>quora</i>		<i>slack</i>
	<i>node-js</i>		<i>r-project</i>		<i>slideshare</i>
	<i>npm</i>		<i>raspberrypi</i>		<i>snapchat</i>
	<i>ns8</i>		<i>ravelry</i>		<i>soundcloud</i>
	<i>nutritionix</i>		<i>react</i>		<i>sourcetree</i>
	<i>octopus-deploy</i>		<i>reacteuropa</i>		<i>space-awesome</i>
	<i>odnoklassniki</i>		<i>readme</i>		<i>speakap</i>
	<i>odysee</i>		<i>rebel</i>		<i>speaker-deck</i>
	<i>old-republic</i>		<i>red-river</i>		<i>spotify</i>
	<i>opencart</i>		<i>reddit</i>		<i>square-behance</i>
	<i>openid</i>		<i>reddit-alien</i>		<i>square-dribbble</i>
	<i>opensuse</i>		<i>redhat</i>		<i>square-facebook</i>
	<i>opera</i>		<i>renren</i>		<i>square-font-awesome</i>
	<i>optin-monster</i>		<i>replyd</i>		<i>square-font-awesome-stroke</i>
	<i>orcid</i>		<i>researchgate</i>		<i>square-git</i>
	<i>osi</i>		<i>resolving</i>		<i>square-github</i>
	<i>padlet</i>		<i>rev</i>		<i>square-gitlab</i>
	<i>page4</i>		<i>rocketchat</i>		<i>square-google-plus</i>

	<i>square-hacker-news</i>
	<i>square-instagram</i>
	<i>square-js</i>
	<i>square-lastfm</i>
	<i>square-letterboxd</i>
	<i>square-odnoklassniki</i>
	<i>square-pied-piper</i>
	<i>square-pinterest</i>
	<i>square-reddit</i>
	<i>square-snapchat</i>
	<i>square-steam</i>
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	<i>square-twitter</i>
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	<i>square-viadeo</i>
	<i>square-vimeo</i>
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	<i>supple</i>
	<i>suse</i>
	<i>swift</i>

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	<i>the-red-yeti</i>
	<i>themeco</i>
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	<i>think-peaks</i>
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	<i>trade-federation</i>
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	<i>tumblr</i>
	<i>twitch</i>
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	<i>vk</i>
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	<i>waze</i>

	<i>web-awesome</i>
	<i>webflow</i>
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	<i>wirsindhandwerk</i>
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	<i>yoast</i>
	<i>youtube</i>
	<i>zhihu</i>