CSS ANIMATION

When you specify CSS styles inside the @keyframes rule, the animation will gradually change from the current style to the new style at certain times.

To get an animation to work, you must bind the animation to an element.

The following example binds the "example" animation to the <div> element. The animation will lasts for 4 seconds, and it will gradually change the background-color of the <div> element from "red" to "yellow":

Example :

@keyframes example {

from {background-color: red;}

to {background-color: yellow;}

}

div {

width: 100px;

height: 100px;

background-color: red;

animation-name: example;

animation-duration: 4s;

}

It is also possible to use percent. By using percent, you can add as many style changes as you like.

The following example will change the background-color of the <div> element when the animation is 25% complete, 50% complete, and again when the animation is 100% complete.

@keyframes example {

0% {background-color:red; left:0px; top:0px;}

25% {background-color:yellow; left:200px; top:0px;}

50% {background-color:blue; left:200px; top:200px;}

75% {background-color:green; left:0px; top:200px;}

100% {background-color:red; left:0px; top:0px;}

}

div {

width: 100px;

height: 100px;

background-color: red;

animation-name: example;

animation-duration: 4s;

positon: relative;

}

animation: example 5s linear 2s infinite alternate;

animation-name: example;

animation-duration: 4s;

animation-delay: 2s;

animation-iteration-count: 3;

infinite;

animation-direction: reverse;

alternate;

animation-timing-function: ease-in-out; - same as transition

CSS COLORS

RGB Colors

Each parameter (red, green, and blue) defines the intensity of the color as an integer between 0 and 255.

rgb(255,0,0) - red

rgb(0,255,0) - green

rgb(0,0,255) - blue

Shades of gray are often defined using equal values for all the 3 light sources:

rgb(0,0,0) - black

rgb(128,128,128) - gray

rgb(255,255,255) - white

Hexadecimal Colors

A hexadecimal color is specified with: #RRGGBB.

RR (red), GG (green) and BB (blue) are hexadecimal integers between 00 and FF specifying the intensity of the color

#FF0000 - rgb(255,0,0) - red

#00FF00 - rgb(0,255,0) - green

#0000FF - rgb(0,0,255) - blue

Shades of gray are often defined using equal values for all the 3 light sources:

#000000 - rgb(0,0,0) - black

#808080 - rgb(128,128,128) - gray

#FFFFFF - rgb(255,255,255) - white

Favorite Colors

#fab818 - yellow

Basic Colors

[#a6001a](http://www.w3schools.com/colors/colors_picker.asp?color=%23a6001a) - red

[#e06000](http://www.w3schools.com/colors/colors_picker.asp?color=%23e06000) - orange [#ffab00](http://www.w3schools.com/colors/colors_picker.asp?color=%23ffab00) - - yellow [#00477e](http://www.w3schools.com/colors/colors_picker.asp?color=%2300477e) - blue [#004d33](http://www.w3schools.com/colors/colors_picker.asp?color=%23004d33) - green [#633517](http://www.w3schools.com/colors/colors_picker.asp?color=%23633517) - brown

Color Groups from Darker to Lighter

PINK COLORS

[#C71585](http://www.w3schools.com/colors/color_tryit.asp?hex=C71585" \t "_blank) - [MediumVioletRed](http://www.w3schools.com/colors/color_tryit.asp?color=MediumVioletRed)

[#FF1493](http://www.w3schools.com/colors/color_tryit.asp?hex=FF1493) - deeppink [#FF69B4](http://www.w3schools.com/colors/color_tryit.asp?hex=FF69B4" \t "_blank) - hotpink

[#FFB6C1](http://www.w3schools.com/colors/color_tryit.asp?hex=FFB6C1) - lightpink

[#FFC0CB](http://www.w3schools.com/colors/color_tryit.asp?hex=FFC0CB) - pink

PURPLE COLORS

[#4B0082](http://www.w3schools.com/colors/color_tryit.asp?hex=4B0082) - indigo [#800080](http://www.w3schools.com/colors/color_tryit.asp?hex=800080) - purple [#8B008B](http://www.w3schools.com/colors/color_tryit.asp?hex=8B008B) - darkmagenta [#9400D3](http://www.w3schools.com/colors/color_tryit.asp?hex=9400D3" \t "_blank) - darkviolet [#FF00FF](http://www.w3schools.com/colors/color_tryit.asp?hex=FF00FF" \t "_blank) - magenta [#EE82EE](http://www.w3schools.com/colors/color_tryit.asp?hex=EE82EE) - violet [#DDA0DD](http://www.w3schools.com/colors/color_tryit.asp?hex=DDA0DD) - plum

RED COLORS

[#8B0000](http://www.w3schools.com/colors/color_tryit.asp?hex=8B0000) - darkred [#800000](http://www.w3schools.com/colors/color_tryit.asp?hex=800000" \t "_blank) - maroon [#B22222](http://www.w3schools.com/colors/color_tryit.asp?hex=B22222) - firebrick [#CD5C5C](http://www.w3schools.com/colors/color_tryit.asp?hex=CD5C5C) - indianred

[#FA8072](http://www.w3schools.com/colors/color_tryit.asp?hex=FA8072) - salmon [#FFA07A](http://www.w3schools.com/colors/color_tryit.asp?hex=FFA07A) - lightsalmon

ORANGE COLORS

[#FF4500](http://www.w3schools.com/colors/color_tryit.asp?hex=FF4500) - orangered [#FF8C00](http://www.w3schools.com/colors/color_tryit.asp?hex=FF8C00" \t "_blank) - darkorange [#FFA500](http://www.w3schools.com/colors/color_tryit.asp?hex=FFA500" \t "_blank) - orange [#FFD700](http://www.w3schools.com/colors/color_tryit.asp?hex=FFD700) - gold [#FFFF00](http://www.w3schools.com/colors/color_tryit.asp?hex=FFFF00) - yellow [#FFFACD](http://www.w3schools.com/colors/color_tryit.asp?hex=FFFACD) - lightyellow

GREEN COLORS

[#006400](http://www.w3schools.com/colors/color_tryit.asp?hex=006400) - darkgreen

[#008000](http://www.w3schools.com/colors/color_tryit.asp?hex=008000) - green [#228B22](http://www.w3schools.com/colors/color_tryit.asp?hex=228B22) - forestgreen [#32CD32](http://www.w3schools.com/colors/color_tryit.asp?hex=32CD32" \t "_blank) - limegreen

[#00FF00](http://www.w3schools.com/colors/color_tryit.asp?hex=00FF00) - lime [#ADFF2F](http://www.w3schools.com/colors/color_tryit.asp?hex=ADFF2F) - greenyellow

BLUE COLORS

[#191970](http://www.w3schools.com/colors/color_tryit.asp?hex=191970) - midnightblue [#00008B](http://www.w3schools.com/colors/color_tryit.asp?hex=00008B" \t "_blank) - darkblue [#0000CD](http://www.w3schools.com/colors/color_tryit.asp?hex=0000CD" \t "_blank) - mediumblue [#0000FF](http://www.w3schools.com/colors/color_tryit.asp?hex=0000FF" \t "_blank) - blue [#00BFFF](http://www.w3schools.com/colors/color_tryit.asp?hex=00BFFF) - skyblue

BROWN COLORS

[#8B4513](http://www.w3schools.com/colors/color_tryit.asp?hex=8B4513) - saddlebrown [#A0522D](http://www.w3schools.com/colors/color_tryit.asp?hex=A0522D" \t "_blank) - sienna

[#D2691E](http://www.w3schools.com/colors/color_tryit.asp?hex=D2691E) - chocolate [#CD853F](http://www.w3schools.com/colors/color_tryit.asp?hex=CD853F) - peru [#F4A460](http://www.w3schools.com/colors/color_tryit.asp?hex=F4A460" \t "_blank) - sandybrown [#FFEBCD](http://www.w3schools.com/colors/color_tryit.asp?hex=FFEBCD" \t "_blank) - peach

GRAY COLORS

[#000000](http://www.w3schools.com/colors/color_tryit.asp?hex=000000) - black

[#2F4F4F](http://www.w3schools.com/colors/color_tryit.asp?hex=2F4F4F) - darkslategray [#696969](http://www.w3schools.com/colors/color_tryit.asp?hex=696969" \t "_blank) - dimgray [#808080](http://www.w3schools.com/colors/color_tryit.asp?hex=808080" \t "_blank) - gray [#A9A9A9](http://www.w3schools.com/colors/color_tryit.asp?hex=A9A9A9) - darkgray

[#C0C0C0](http://www.w3schools.com/colors/color_tryit.asp?hex=C0C0C0) - silver [#D3D3D3](http://www.w3schools.com/colors/color_tryit.asp?hex=D3D3D3) - lightgray [#DCDCDC](http://www.w3schools.com/colors/color_tryit.asp?hex=DCDCDC" \t "_blank) - gainsboro

#E8E8E8  - darkdirtywhite

#F0F0F0 - dirtywhite

#F8F8F8  - lightdirtywhite [#FFFFFF](http://www.w3schools.com/colors/color_tryit.asp?hex=FFFFFF" \t "_blank) - white

CSS RESPONSIVE

MEDIA QUERIES

The @media rule is used to define different style rules for different media types/devices.

You can also have different stylesheets for different media:

<link rel="stylesheet" media="screen" href="print.css">

One way to use media queries is to have an alternate CSS section right inside your style sheet.

@media screen and (max-width: 699px) and (min-width: 520px) {

div{

padding-left: 30px;

background: url(email-icon.png) left center no-repeat;

}

}

Media Sizes

Phone - min-width: 768px

WRITING COMMENTS IN CSS

Use /\* Write your comments here \*/

for commenting paragraphs

Use // Write your comments here

For commenting lines

Centering a <div>

To place <div> in the center just make the make the magin 0 auto.

.div {

margin : 0 auto

}