

Unstructured Graphics

collage : Int -> Int -> List Form -> Element

(v1.1.0) Graphics.Collage



By **Ryan Johnson** (CITguy) cheatography.com/citguy/

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Creating Forms

filled : Color -> Shape -> Form

Creating Forms (cont)

gradient : Gradient -> Shape -> Form



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Creating Forms (cont)

outlined : LineStyle -> Shape -> Form

Creating Forms (cont)

textured : String -> Shape -> Form



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Creating Forms (cont)

toForm : Element -> Form

Creating Forms (cont)

traced : LineStyle -> Path -> Form

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Grouping Forms

group : List Form -> Form

Grouping Forms (cont)

groupTransform : Transform2D -> List Form -> Form

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Shapes

circle: Float -> Shape

circle(radius)

Shapes (cont)

ngon : Int -> Float -> Shape

ngon(sides, radius)



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Shapes (cont)

oval : Float -> Float -> Shape

oval(width, height)

Shapes (cont)

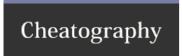
polygon : List (Float, Float) -> Shape

Specify a list of points of the polygon. Shape will automatically close.



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Shapes (cont)

rect : Float -> Float -> Shape

rect(width, height)

Shapes (cont)

square : Float -> Shape
square(edge_length)

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Images

image: Int -> Int -> String -> Element

image(width, height, src)

Images (cont)

fittedImage : Int -> Int -> String -> Element

fittedImage(width, height, src)



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Images (cont)

croppedImage: (Int, Int) -> Int -> Int -> String -> Element

croppedImage(origin, width, height, src)

Images (cont)

tiledImage : Int -> Int -> String -> Element

tiledImage(width, height, src)

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Element Inspection

widthOf: Element -> Int

Element Inspection (cont)

heightOf: Element -> Int



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 Element Inspection (cont)
 Layout Aliases

 sizeOf: Element -> (Int, Int)
 layers: List ELement -> Element

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 layers == flow outward



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Layout Aliases (cont)

above : Element -> Element -> Element

a above b

Layout Aliases (cont)

below : Element -> Element -> Element

a below b



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Layout Aliases (cont)

beside : Element -> Element -> Element

a beside b

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Layout

flow : Direction -> List Element -> Element

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Layout (cont)		Layout (cont)	
right : Direction	+X	up : Direction	+Y



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Layout (cont)		Layout (cont)	
outward : Direction	+Z	left : Direction	-X

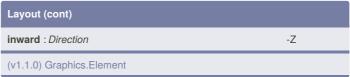


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Layout (cont)		Layout (cont)	
down : Direction	-Y	inward : Direction	





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Transforming Forms

alpha: Float -> Form -> Form

Transforming Forms (cont)

move: (Float, Float) -> Form -> Form



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Transforming Forms (cont)

moveX : Float -> Form -> Form

Transforming Forms (cont)

moveY : Float -> Form -> Form



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Transforming Forms (cont)

rotate : Float -> Form -> Form

Transforming Forms (cont)

scale: Float -> Form -> Form

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Paths

segment : (Float, Float) -> (Float, Float) -> Path

Paths (cont)

path : List (Float, Float) -> Path

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Line Style Types

type alias LineStyle = {

Line Style Types (cont)

color:Color,



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Line Style Types (cont)

width:Float,

Line Style Types (cont)

cap:LineCap,



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Line Style Types (cont)

join:LineJoin,

Line Style Types (cont)

dashing:List Int,



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Line Style Types (cont)

dashOffset:Int

Line Style Types (cont)

}



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Line Style Types (cont)

type LineCap

Line Style Types (cont)

= Flat



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Line Style Types (cont)

| Round

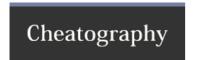
Line Style Types (cont)

| Padded



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Line Style Types (cont)

type LineJoin

Line Style Types (cont)

= Smooth



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Line Style Types (cont)

| Sharp Float

Line Style Types (cont)

| Clipped

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Line Styles

dashed : Color -> LineStyle

Line Styles (cont)

defaultLine: LineStyle



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Line Styles (cont)

dotted : Color -> LineStyle

Line Styles (cont)

solid : Color -> LineStyle

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Element Styling

width : Int -> Element -> Element

Element Styling (cont)

height : Int -> Element -> Element



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Element Styling (cont)

size : Int -> Int -> Element -> Element

Element Styling (cont)

color : Color -> Element -> Element



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Element Styling (cont)

opacity: Float -> Element -> Element

opacity (0.0:transparent - 1.0:opaque)

Element Styling (cont)

link: String -> Element -> Element

create Element that is a hyper-link



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Element Styling (cont)

tag : String -> Element -> Element

similar to <a> with ID

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Positioning Elements

empty: Element

flow down [img1, if showMore then img2 else empty]



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Positioning Elements (cont)

spacer : Int -> Int -> Element

Empty Box

Positioning Elements (cont)

container : Int -> Int -> Position -> Element -> Element

Put an element in a container. By setting the color of the container, you can create borders.

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Named Positions

topLeft : Position

Named Positions (cont)

midTop : Position



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Named Positions (cont)

topRight : Position

Named Positions (cont)



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Named Positions (cont)

midLeft : Position

Named Positions (cont)

middle : Position



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Named Positions (cont)

midRight : Position

Named Positions (cont)



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Named Positions (cont)

bottomLeft : Position

Named Positions (cont)

midBottom : Position



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Named Positions (cont)

bottomRight : Position

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