HTML5 Canvas Cheat Sheet v1.x

http://blog.nihilogic.dk/

Canvas element

Attributes

Default Name Type width 300 unsigned long 150 height unsigned long

Methods

Return Name

toDataURL([Optional] string type, [Variadic] any args) string

Object getContext(string contextId)

2D Context

Attributes

Name Default canvas **HTMLCanvasObject** [readonly]

Methods

Return Name void save() void restore()

Transformation

Methods

Return Name

scale(float x, float y) void void rotate(float angle) void translate(float x, float y)

transform(float m11, float m12, float m21, float m22, float dx, float dy) void void setTransform(float m11, float m12, float m21, float m22, float dx, float dy)

Image drawing

Methods

Return Name

drawlmage(Object image, float dx, float dy, [Optional] float dw, float dh) void

Argument image can be of type HTMLImageElement, HTMLCanvasElement or HTMLVideoElement.

void drawlmage(Object image, float sx, float sy, float sw, float sh, float dx, float dy, float dw, float dh)

Compositing

Attributes

Name Type globalAlpha float globalCompositeOperation string Supports any of the following values:





source-in





Default

source-over

1.0





destination-in



destination-out





xor

Line styles

Attributes

Name Type lineWidth float **lineCap** string

Supports any of the following values:



miter

10







butt round square

lineJoin string Supports any of the following values:







round

bevel

miter

float Colors, styles and shadows

Attributes

miterLimit

Name Default Type black strokeStyle any black fillStyle any shadowOffsetX float 0.0 shadowOffsetY float 0.0 shadowBlur float 0.0

shadowColor transparent black string

Methods

Return

CanvasGradient createLinearGradient(float x0, float y0, float x1, float y1)

createRadialGradient(float x0, float y0, float r0, float x1, float y1, float r1) CanvasGradient

CanvasPattern createPattern(Object image, string repetition)

image is HTMLImageElement or HTMLCanvasElement.

repetition supports any of the following values: repeat (default) repeat-x repeat-y no-repeat

CanvasGradient interface

Return Name

void addColorStop(float offset, string color)

CanvasPattern interface

No attributes or methods.

Paths

Methods

Return Vame

void beginPath()

void closePath()

void fill()

void stroke()

void clip()

void moveTo(float x, float y)
void lineTo(float x, float y)

void quadraticCurveTo(float cpx, float cpy, float x, float y)

void bezierCurveTo(float cp1x, float cp1y, float cp2x, float cp2y, float x, float y)

void arcTo(float x1, float y1, float x2, float y2, float radius)

void arc(float x, float y, float radius, float startAngle, float endAngle, boolean anticlockwise)

void rect(float x, float y, float w, float h)
boolean isPointInPath(float x, float y)

Text

Attributes

Name Type Default

font string 10px sans-serif

textAlign string start

Supports any of the following values: start end left right center

textBaseline string alphabetic

Supports any of the following values:

top hanging middle alphabetic ideographic bottom

Methods

Return Name

void fillText(string text, float x, float y, [Optional] float maxWidth)
void strokeText(string text, float x, float y, [Optional] float maxWidth)

TextMetrics measureText(string text)

TextMetrics interface

Name Type Default width float [readonly]

Rectangles

Methods

Return Name

voidclearRect(float x, float y, float w, float h)voidfillRect(float x, float y, float w, float h)voidstrokeRect(float x, float y, float w, float h)

Pixel manipulation

Methods

Return Name

ImageData createImageData(float sw, float sh)

ImageData getImageData(float sx, float sy, float sw, float sh)

void putlmageData(ImageData imagedata, float dx, float dy, [Optional] float dirtyX, float dirtyY, float

dirtyWidth, float dirtyHeight)

ImageData interface

NameTypeDefaultwidthunsigned long[readonly]heightunsigned long[readonly]dataCanvasPixelArray[readonly]

CanvasPixelArray interface

Name Type Default unsigned long length [readonly]

Source: http://www.whatwg.org/specs/web-apps/current-work/ (2009-02-26)
This is a modified version of http://blog.nihilogic.dk/2009/02/html5-canvas-cheat-sheet.html