

Converting Colors

Yxy(64.5951, 0.3169, 0.4815)

Have a look what the booklet for
Yxy(64.5951, 0.3169, 0.4815)
contains.

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Color

Yxy(64.8805, 0.3169, 0.4818)

Conversions

Conversions Part 1

Format	Color
Hex	89E975
RGB	137, 233, 117
RGB Percent	54%, 91%, 46%
CMY	0.4625, 0.0863, 0.5411
CMYK	0.41, 0.00, 0.50, 0.09
HSL	110°, 72%, 69%
HSV	110°, 50%, 91%
XYZ	42.6746, 64.8805, 27.1076
YIQ	191.0720, -19.9800, -56.4280

Conversions

Conversions Part 2

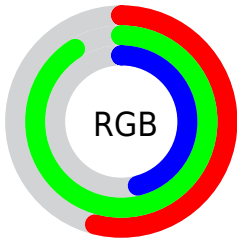
Format	Color
RYB	117, 233, 213
Decimal	9038197
CIELab	84.42, -49.99, 47.32
CIELCh	84, 68.836, 136.568
Yxy	64.8805, 0.3169, 0.4818
Android (android.graphics.Color)	4287228277 (0xFF89E975)
YUV	191.0720, -36.5175, -47.4211
Hunter-Lab	80.5484, -46.3903, 36.4306

Details

The Yxy color **64.8805, 0.3169, 0.4818** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **32.7474, 0.2992, 0.2020**, and the grayscale version is **52.3791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0624, 0.3227, 0.4232**, and **33.5314, 0.3126, 0.5245** is the 20% darker color. If you saturate the color by 10%, you get **62.9148, 0.3159, 0.5151**, and if you desaturate by 10%, it is **67.2790, 0.3170, 0.4475**.

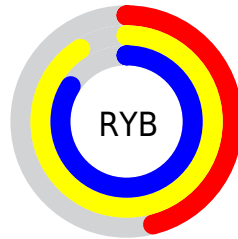
Distribution



Red (54%)

Green (91%)

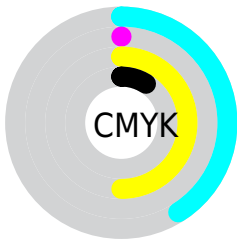
Blue (46%)



Red (46%)

Yellow (91%)

Blue (84%)

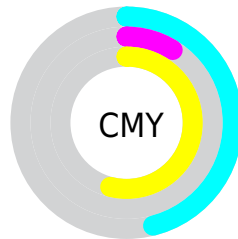


Cyan (41%)

Magenta (0%)

Yellow (50%)

Black (9%)



Cyan (46%)


Magenta (9%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.8805, 0.3169, 0.4818 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 64.8805, 0.3169, 0.4818 by changing the saturation by 10% instead.


 64.8805, 0.3169,
0.4818


 64.8805, 0.3169,
0.4818


442.3624, 0.3187,
0.4049


 47.3642, 0.3152,
0.5006


 111.8780, 0.3185,
0.4540

 33.3237, 0.3124,
0.5244


 142.1281, 0.3188,
0.4435

 22.3745, 0.3075,
0.5551


 177.3914, 0.3190,
0.4346

 14.1323, 0.2988,
0.5958

218.0525, 0.3190,
0.4270

 8.2128, 0.2824,
0.6509

264.4958, 0.3190,
0.4203

 4.2314, 0.2563,
0.7437

317.1056, 0.3189,

 1.8038, 0.1415,

0.4146

0.8585

376.2663, 0.3188,
0.4094

0.4896, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.8805, 0.3169,
0.4818

64.8805, 0.3169,
0.4818

62.9148, 0.3159,
0.5151

67.2790, 0.3170,
0.4475

61.3479, 0.3141,
0.5451


70.1257, 0.3165,
0.4140

60.1539, 0.3114,
0.5695


73.4450, 0.3155,
0.3826


59.2999, 0.3082,
0.5864

77.2576, 0.3142,
0.3540

 58.7413, 0.3048,
0.5960

 81.5824, 0.3127,
0.3285

 58.7314, 0.3048,
0.5962

 86.3203, 0.3122,
0.3077

 86.7548, 0.3137,
0.3078

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.8805, 0.3966, 0.4796



64.8805, 0.3169, 0.4818



64.8805, 0.2404, 0.4187

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.8805, 0.3169, 0.4818



64.8805, 0.1786, 0.2104



64.8805, 0.4527, 0.3112

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64.8805, 0.3169, 0.4818



32.7474, 0.2992, 0.2020

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.8805, 0.3769, 0.2576



64.8805, 0.3169, 0.4818



64.8805, 0.2192, 0.2019

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.8805, 0.3169, 0.4818



64.8805, 0.1678, 0.2499



64.8805, 0.2889, 0.2190



64.8805, 0.4825, 0.3718

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.8805, 0.3169, 0.4818



64.8805, 0.2018, 0.3557



64.8805, 0.2889, 0.2190



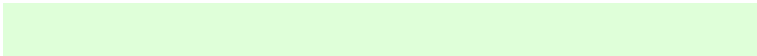
64.8805, 0.4312, 0.2922

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64.8833, 0.3169, 0.4818



92.2623, 0.3149, 0.3688



65.5605, 0.3962, 0.4309



19.5396, 0.3152, 0.3749



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.8833, 0.3169, 0.4818



77.1033, 0.3159, 0.5168



64.3823, 0.2870, 0.4370



16.9873, 0.3142, 0.3532



33.3640, 0.3054, 0.5957



2.6564, 0.3137, 0.5892

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



32.7474, 0.2992, 0.2020



33.3073, 0.2949, 0.1787



34.0468, 0.3560, 0.2426



15.1744, 0.3110, 0.3056



9.7990, 0.2776, 0.1303



0.8041, 0.2839, 0.1338

Previews

White Background



This preview shows how the Yxy color 64.8805, 0.3169, 0.4818 looks on a white background.

Color Contrast Check

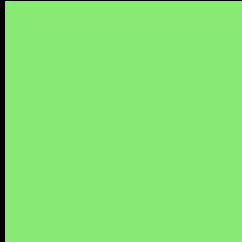
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 64.8805, 0.3169, 0.4818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.8805, 0.3169, 0.4818

Background



This preview shows how black text looks on a background with the Yxy color 64.8805, 0.3169, 0.4818.

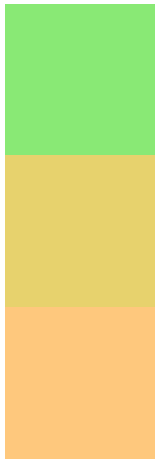


This preview shows how white text looks on a background with the Yxy color 64.8805, 0.3169, 0.4818.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

64.8805, 0.3169, 0.4818

Protanopia

64.1862, 0.4005, 0.4375

Deuteranopia

63.8601, 0.4145, 0.4058



Tritanopia

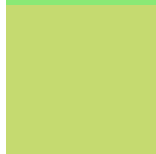
64.6718, 0.2633, 0.3086

Trichromacy



Original Color

64.8805, 0.3169, 0.4818



Protanomaly

63.1830, 0.3670, 0.4544



Deuteranomaly

62.3410, 0.3748, 0.4333



Tritanomaly

64.2800, 0.2836, 0.3697

Monochromacy



Original Color

64.8805, 0.3169, 0.4818



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

55.4809, 0.3154, 0.3840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8805, 0.3169, 0.4818 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(137, 233, 117)` looks like.

```
.text, #text, p{  
    color:rgb(137, 233, 117)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(137, 233, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 233, 117) }
```

Border

The CSS property to change the border of an element to Yxy 64.8805, 0.3169, 0.4818 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 233, 117) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(137, 233, 117) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(137, 233, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 233, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 233, 117);  
box-shadow:4px 4px 4px 4px rgb(137, 233,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8805, 0.3169, 0.4818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 233, 117) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(137,  
233, 117) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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