

Converting Colors

Yxy(64.8697, 0.2981, 0.4399)

Have a look what the booklet for
Yxy(64.8697, 0.2981, 0.4399)
contains.

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Color

Yxy(64.8697, 0.2981, 0.4399)

Conversions

Conversions Part 1

Format	Color
Hex	85E895
RGB	133, 232, 149
RGB Percent	52%, 91%, 58%
CMY	0.4783, 0.0902, 0.4157
CMYK	0.43, 0.00, 0.36, 0.09
HSL	130°, 68%, 72%
HSV	130°, 43%, 91%
XYZ	43.9592, 64.8697, 38.6357
YIQ	192.9370, -32.3610, -46.8010

Conversions

Conversions Part 2

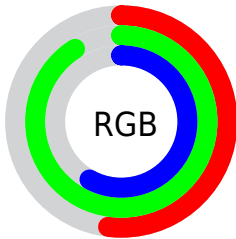
Format	Color
RYB	133, 218, 232
Decimal	8775829
CIELab	84.42, -46.16, 31.54
CIElCh	84, 55.906, 145.656
Yxy	64.8697, 0.2981, 0.4399
Android (android.graphics.Color)	4286965909 (0xFF85E895)
YUV	192.9370, -21.6609, -52.5647
Hunter-Lab	80.5417, -43.5238, 27.9379

Details

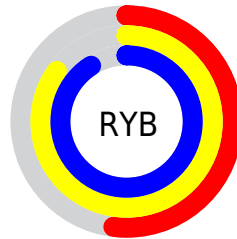
The Yxy color **64.8697, 0.2981, 0.4399** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **38.9035, 0.3325, 0.2392**, and the grayscale version is **53.4406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8268, 0.3017, 0.3858**, and **33.4502, 0.2919, 0.4725** is the 20% darker color. If you saturate the color by 10%, you get **62.6167, 0.2956, 0.4713**, and if you desaturate by 10%, it is **67.6490, 0.3012, 0.4098**.

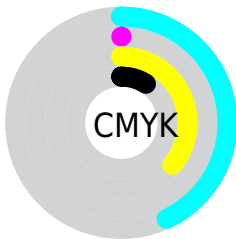
Distribution



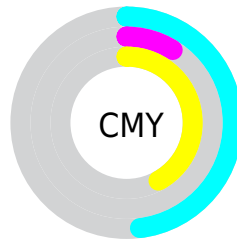
- Red (52%)
- Green (91%)
- Blue (58%)



- Red (52%)
- Yellow (85%)
- Blue (91%)



- Cyan (43%)
- Magenta (0%)
- Yellow (36%)
- Black (9%)



- Cyan (48%)
- Magenta (9%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.8697, 0.2981, 0.4399 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 64.8697, 0.2981, 0.4399 by changing the saturation by 10% instead.


 64.8697, 0.2981,
0.4399


 64.8697, 0.2981,
0.4399


442.3236, 0.3069,
0.3841

 47.3554, 0.2955,
0.4538


 111.8625, 0.3016,
0.4197

 33.3167, 0.2919,
0.4715


 142.1098, 0.3029,
0.4120

 22.3692, 0.2867,
0.4948


 177.3703, 0.3039,
0.4056

 14.1284, 0.2788,
0.5268

218.0283, 0.3047,
0.4001

 8.2100, 0.2659,
0.5727

264.4682, 0.3054,
0.3953

 4.2296, 0.2432,
0.6443

317.0745, 0.3060,

 1.8028, 0.1779,

0.3911

0.8221

376.2315, 0.3065,
0.3874

0.4889, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.8697, 0.2981,
0.4399

64.8697, 0.2981,
0.4399

62.6167, 0.2956,
0.4713

67.6490, 0.3012,
0.4098

60.8490, 0.2938,
0.5026


70.9765, 0.3047,
0.3819

59.5325, 0.2931,
0.5320


74.8826, 0.3082,
0.3568


58.6253, 0.2936,
0.5574

79.3931, 0.3118,
0.3344

 58.0771, 0.2951,
0.5771

 84.5324, 0.3152,
0.3149

 57.8484, 0.2965,
0.5876

 86.1923, 0.3138,
0.3068

Harmonies

Analogous

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



64.8697, 0.3656, 0.4571



64.8697, 0.2981, 0.4399



64.8697, 0.2381, 0.3789

Triad

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



64.8697, 0.2981, 0.4399



64.8697, 0.2079, 0.2253



64.8697, 0.4386, 0.3316

Complementary

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



64.8697, 0.2981, 0.4399



38.9035, 0.3325, 0.2392

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.



64.8697, 0.3864, 0.2827



64.8697, 0.2981, 0.4399



64.8697, 0.2508, 0.2241

Square

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



64.8697, 0.2981, 0.4399



64.8697, 0.1908, 0.2519



64.8697, 0.3152, 0.2447



64.8697, 0.4509, 0.3841

Rectangle

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



64.8697, 0.2981, 0.4399



64.8697, 0.2101, 0.3293



64.8697, 0.3152, 0.2447



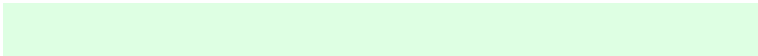
64.8697, 0.4249, 0.3145

Sweetspot

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



64.8724, 0.2981, 0.4399



92.5827, 0.3081, 0.3577



74.1826, 0.3650, 0.4384



19.5745, 0.3073, 0.3631



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.



64.8724, 0.2981, 0.4399



77.9489, 0.2959, 0.4669



66.7505, 0.2722, 0.3734



16.1269, 0.3094, 0.3493



32.1277, 0.2960, 0.5856



2.3857, 0.2894, 0.5618

Inverse Universe

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



38.9035, 0.3325, 0.2392



41.8572, 0.3376, 0.2228



36.7584, 0.3839, 0.2897



14.5732, 0.3162, 0.3095



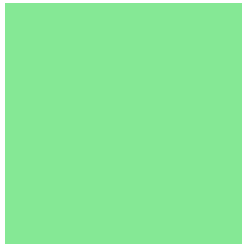
11.7174, 0.3663, 0.1791



0.8766, 0.3585, 0.1749

Previews

White Background



This preview shows how the Yxy color 64.8697, 0.2981, 0.4399 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 64.8697, 0.2981, 0.4399 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 64.8697, 0.2981, 0.4399

Background



This preview shows how black text looks on a background with the Yxy color 64.8697, 0.2981, 0.4399.

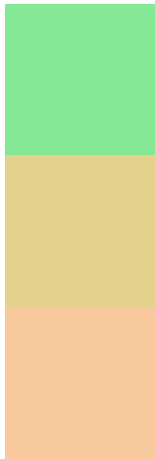


This preview shows how white text looks on a background with the Yxy color 64.8697, 0.2981, 0.4399.

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

64.8697, 0.2981, 0.4399

Protanopia

63.8253, 0.3770, 0.4064

Deuteranopia

63.9477, 0.3848, 0.3772



Tritanopia

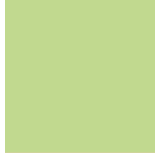
64.6203, 0.2586, 0.3073

Trichromacy



Original Color

64.8697, 0.2981, 0.4399



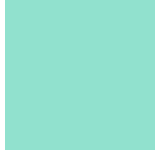
Protanomaly

62.9463, 0.3448, 0.4193



Deuteranomaly

62.5087, 0.3497, 0.3992



Tritanomaly

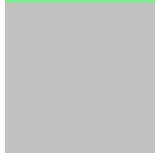
64.3264, 0.2729, 0.3529

Monochromacy



Original Color

64.8697, 0.2981, 0.4399



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

56.4579, 0.3064, 0.3678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8697, 0.2981, 0.4399 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(133, 232, 149)` looks like.

```
.text, #text, p{  
    color:rgb(133, 232, 149)  
}
```

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(133, 232, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 232, 149) }
```

Border

The CSS property to change the border of an element to Yxy 64.8697, 0.2981, 0.4399 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(133, 232, 149) }
```

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

```
.border{ border-color:rgb(133, 232, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 232, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 232, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 232, 149);  
box-shadow:4px 4px 4px 4px rgb(133, 232,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8697, 0.2981, 0.4399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 232, 149) }
```

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

```
.background{ background-color: rgb(133,  
232, 149) }
```

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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