

Converting Colors

$Yxy(68.0911, 0.4122, 0.5261)$

Have a look what the booklet for
Yxy(68.0911, 0.4122, 0.5261)
contains.

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Color

Yxy(68.0944, 0.4068, 0.5152)

Conversions

Conversions Part 1

Format	Color
Hex	D2E200
RGB	210, 226, 0
RGB Percent	82%, 89%, 0%
CMY	0.1766, 0.1137, 0.9999
CMYK	0.07, 0.00, 1.00, 0.11
HSL	64°, 100%, 44%
HSV	64°, 100%, 89%
XYZ	53.7671, 68.0944, 10.3093
YIQ	195.4520, 63.0100, -73.6780

Conversions

Conversions Part 2

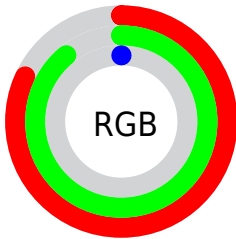
Format	Color
RYB	0, 226, 16
Decimal	13820416
CIELab	86.05, -26.37, 84.80
CIELCh	86, 88.803, 107.272
Yxy	68.0944, 0.4068, 0.5152
Android (android.graphics.Color)	4292010496 (0xFFD2E200)
YUV	195.4520, -96.3578, 12.7586
Hunter-Lab	82.5193, -28.1037, 50.3563

Details

The Yxy color **68.0944, 0.4068, 0.5152** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **5.6030, 0.1518, 0.0610**, and the grayscale version is **55.4160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5013, 0.4028, 0.4779**, and **35.7051, 0.3990, 0.5214** is the 20% darker color. If you saturate the color by 10%, you get **68.0973, 0.4068, 0.5152**, and if you desaturate by 10%, it is **68.3946, 0.4061, 0.5108**.

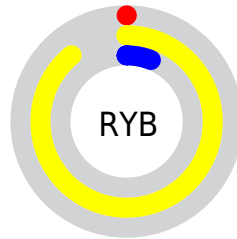
Distribution



Red (82%)

Green (89%)

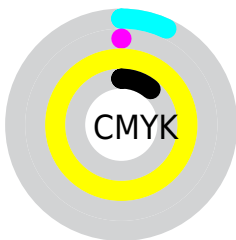
Blue (0%)



Red (0%)

Yellow (89%)

Blue (6%)

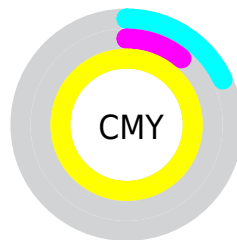


Cyan (7%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (18%)


Magenta (11%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0944, 0.4068, 0.5152 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 68.0944, 0.4068, 0.5152 by changing the saturation by 10% instead.


 68.0944, 0.4068,
0.5152


 68.0944, 0.4068,
0.5152


453.8304, 0.3733,
0.4328

 49.9745, 0.4106,
0.5310

 116.4872, 0.3981,
0.4887

 35.3932, 0.4132,
0.5484


 147.5289, 0.3938,
0.4777

 23.9659, 0.4132,
0.5672


 183.6467, 0.3897,
0.4679

 15.3083, 0.4104,
0.5896

 225.2249, 0.3859,
0.4592

 9.0361, 0.3951,
0.6049

 272.6480, 0.3824,
0.4515

 4.7647, 0.3723,
0.6277

 326.3004, 0.3791,

 2.1099, 0.3349,

0.4446

0.6651

386.5664, 0.3761,
0.4384

■ 0.6702, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 68.0944, 0.4068,
0.5152

■ 68.0944, 0.4068,
0.5152

■ 68.0973, 0.4068,
0.5152

■ 68.3946, 0.4061,
0.5108

■ 68.7646, 0.4033,
0.5026

■ 69.2301, 0.3978,
0.4901

■ 69.8043, 0.3898,
0.4732

70.4980, 0.3795,
0.4527

71.3208, 0.3675,
0.4295

72.2814, 0.3542,
0.4047

73.3877, 0.3404,
0.3791

74.6468, 0.3264,
0.3536

Harmonies

Analogous

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



68.0944, 0.4866, 0.4493



68.0944, 0.4068, 0.5152



68.0944, 0.3096, 0.5272

Triad

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



68.0944, 0.4068, 0.5152



68.0944, 0.1384, 0.2265



68.0944, 0.3952, 0.2425

Complementary

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



68.0944, 0.4068, 0.5152



5.6030, 0.1518, 0.0610

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.



68.0944, 0.2837, 0.1971



68.0944, 0.4068, 0.5152



68.0944, 0.1522, 0.1836

Square

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



68.0944, 0.4068, 0.5152



68.0944, 0.1584, 0.3169



68.0944, 0.1994, 0.1762



68.0944, 0.4915, 0.3047

Rectangle

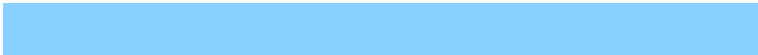
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.0944, 0.4068, 0.5152



68.0944, 0.2462, 0.4807



68.0944, 0.1994, 0.1762



68.0944, 0.3569, 0.2250

Sweetspot

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



68.0975, 0.4068, 0.5152



94.9984, 0.3545, 0.4052



16.5153, 0.6361, 0.3331



20.2143, 0.3602, 0.4159



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.



68.0975, 0.4068, 0.5152



89.5052, 0.4067, 0.5153



56.9952, 0.3271, 0.5785



15.9774, 0.3256, 0.3522



38.8655, 0.4070, 0.5150



2.7090, 0.4090, 0.5134

Inverse Universe

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



5.6030, 0.1518, 0.0610



7.3497, 0.1516, 0.0609



10.0879, 0.2147, 0.0957



13.2896, 0.2991, 0.3048



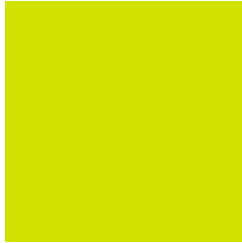
3.2144, 0.1523, 0.0613



0.2393, 0.1590, 0.0649

Previews

White Background



This preview shows how the Yxy color 68.0944, 0.4068, 0.5152 looks on a white background.

Color Contrast Check

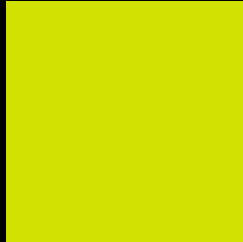
Large Text (above 18pt) WCAG AA × Fail

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 68.0944, 0.4068, 0.5152 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 68.0944, 0.4068, 0.5152

Background



This preview shows how black text looks on a background with the Yxy color 68.0944, 0.4068, 0.5152.



This preview shows how white text looks on a background with the Yxy color 68.0944, 0.4068, 0.5152.

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

68.0944, 0.4068, 0.5152

Protanopia

67.6556, 0.4415, 0.4876

Deuteranopia

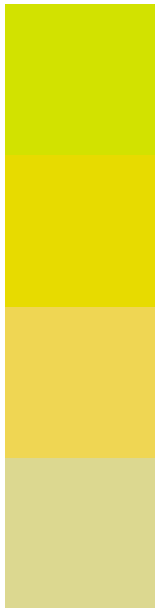
67.4974, 0.4079, 0.4074



Tritanopia

67.8080, 0.3128, 0.3107

Trichromacy



Original Color

68.0944, 0.4068, 0.5152

Protanomaly

67.6520, 0.4288, 0.4977

Deuteranomaly

67.0684, 0.4187, 0.4588

Tritanomaly

66.3410, 0.3659, 0.4107

Monochromacy



Original Color

68.0944, 0.4068, 0.5152

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

57.8772, 0.3668, 0.4286

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0944, 0.4068, 0.5152 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(210, 226, 0)` looks like.

```
.text, #text, p{  
    color:rgb(210, 226, 0)  
}
```

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(210, 226, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 226, 0) }
```

Border

The CSS property to change the border of an element to Yxy 68.0944, 0.4068, 0.5152 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(210, 226, 0) }
```

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

```
.border{ border-color:rgb(210, 226, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 226, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 226, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 226, 0);  
box-shadow:4px 4px 4px 4px rgb(210, 226,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0944, 0.4068, 0.5152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 226, 0) }
```

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

```
.background{ background-color: rgb(210,  
226, 0) }
```

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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