

Converting Colors

$Y_{xy}(65.8200, 0.3902, 0.5283)$

Have a look what the booklet for
Yxy(65.8200, 0.3902, 0.5283)
contains.

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Color

Yxy(65.8853, 0.3904, 0.5282)

Conversions

Conversions Part 1

Format	Color
Hex	BEE300
RGB	190, 227, 0
RGB Percent	75%, 89%, 0%
CMY	0.2551, 0.1097, 0.9995
CMYK	0.16, 0.00, 1.00, 0.11
HSL	70°, 100%, 45%
HSV	70°, 100%, 89%
XYZ	48.6967, 65.8853, 10.1535
YIQ	190.0590, 50.8150, -78.4410

Conversions

Conversions Part 2

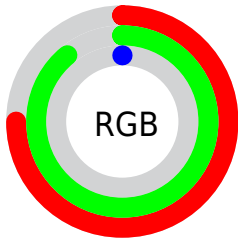
Format	Color
RYB	0, 227, 37
Decimal	12509952
CIELab	84.94, -34.99, 83.34
CIELCh	85, 90.383, 112.774
Yxy	65.8853, 0.3904, 0.5282
Android (android.graphics.Color)	4290700032 (0xFFBEE300)
YUV	190.0590, -93.6991, -0.0517
Hunter-Lab	81.1698, -34.9583, 49.4023

Details

The Yxy color **65.8853, 0.3904, 0.5282** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **5.9466, 0.1563, 0.0635**, and the grayscale version is **52.0632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5653, 0.3993, 0.4801**, and **34.3303, 0.3779, 0.5381** is the 20% darker color. If you saturate the color by 10%, you get **65.8852, 0.3904, 0.5282**, and if you desaturate by 10%, it is **66.4326, 0.3914, 0.5222**.

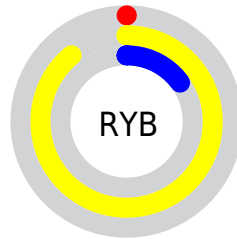
Distribution



Red (75%)

Green (89%)

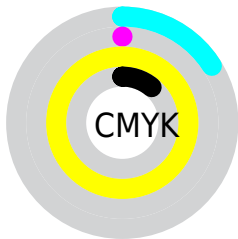
Blue (0%)



Red (0%)

Yellow (89%)

Blue (15%)

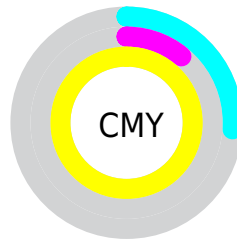


Cyan (16%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (26%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8853, 0.3904, 0.5282 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 65.8853, 0.3904, 0.5282 by changing the saturation by 10% instead.


 65.8853, 0.3904,
0.5282


 65.8853, 0.3904,
0.5282


445.9666, 0.3647,
0.4371

 48.1793, 0.3924,
0.5465

 113.3217, 0.3844,
0.4982

 33.9689, 0.3926,
0.5671


 143.8209, 0.3812,
0.4860

 22.8697, 0.3895,
0.5900


 179.3532, 0.3780,
0.4752

 14.4973, 0.3823,
0.6177

 220.3032, 0.3750,
0.4657

 8.4674, 0.3609,
0.6391

 267.0551, 0.3721,
0.4573

 4.3954, 0.3288,
0.6712

 319.9933, 0.3695,

 1.8971, 0.2745,

0.4498

0.7255

379.5024, 0.3670,
0.4431

■ 0.5467, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.8853, 0.3904,
0.5282

■ 65.8853, 0.3904,
0.5282

■ 65.8852, 0.3904,
0.5282

■ 66.4326, 0.3914,
0.5222

■ 67.0607, 0.3901,
0.5122

■ 67.7954, 0.3863,
0.4976

■ 68.6498, 0.3799,
0.4788

■ 69.6352, 0.3713,
0.4565

■ 70.7613, 0.3610,
0.4318

■ 72.0368, 0.3494,
0.4058

■ 73.4699, 0.3372,
0.3795

■ 75.0678, 0.3248,
0.3536

Harmonies

Analogous

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



65.8853, 0.4774, 0.4649



65.8853, 0.3904, 0.5282



65.8853, 0.2902, 0.5253

Triad

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



65.8853, 0.3904, 0.5282



65.8853, 0.1349, 0.2123



65.8853, 0.4186, 0.2510

Complementary

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



65.8853, 0.3904, 0.5282



5.9466, 0.1563, 0.0635

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.



65.8853, 0.3024, 0.2010



65.8853, 0.3904, 0.5282



65.8853, 0.1549, 0.1765

Square

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



65.8853, 0.3904, 0.5282



65.8853, 0.1482, 0.2951



65.8853, 0.2096, 0.1748



65.8853, 0.5083, 0.3161

Rectangle

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



65.8853, 0.3904, 0.5282



65.8853, 0.2278, 0.4653



65.8853, 0.2096, 0.1748



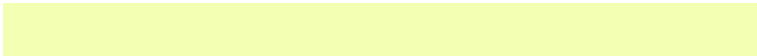
65.8853, 0.3797, 0.2321

Sweetspot

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



65.8883, 0.3904, 0.5282



93.7211, 0.3497, 0.4065



17.4872, 0.6273, 0.3400



19.9046, 0.3547, 0.4176



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.



65.8883, 0.3904, 0.5282



85.7183, 0.3902, 0.5284



56.6324, 0.3180, 0.5857



16.6918, 0.3242, 0.3524



38.4621, 0.3908, 0.5279



2.8741, 0.3952, 0.5244

Inverse Universe

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



5.9466, 0.1563, 0.0635



7.7049, 0.1559, 0.0633



11.8090, 0.2335, 0.1060



13.9997, 0.3005, 0.3049



3.4980, 0.1572, 0.0639



0.2928, 0.1693, 0.0706

Previews

White Background



This preview shows how the Yxy color 65.8853, 0.3904, 0.5282 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 65.8853, 0.3904, 0.5282 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 65.8853, 0.3904, 0.5282

Background



This preview shows how black text looks on a background with the Yxy color 65.8853, 0.3904, 0.5282.



This preview shows how white text looks on a background with the Yxy color 65.8853, 0.3904, 0.5282.

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

65.8853, 0.3904, 0.5282

Protanopia

65.4377, 0.4410, 0.4880

Deuteranopia

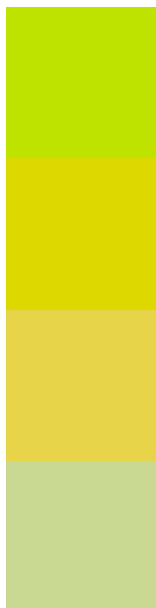
65.1868, 0.4211, 0.4182



Tritanopia

65.5999, 0.2991, 0.3100

Trichromacy



Original Color

65.8853, 0.3904, 0.5282

Protanomaly

64.9979, 0.4225, 0.5027

Deuteranomaly

64.5569, 0.4182, 0.4679

Tritanomaly

64.0875, 0.3498, 0.4150

Monochromacy



Original Color

65.8853, 0.3904, 0.5282

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

55.0395, 0.3615, 0.4321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8853, 0.3904, 0.5282 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(190, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(190, 227, 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(190, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 227, 0) }
```

Border

The CSS property to change the border of an element to Yxy 65.8853, 0.3904, 0.5282 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(190, 227, 0) }
```

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

```
.border{ border-color:rgb(190, 227, 0) }
```

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

Here you see how a box with a 4 pixel rgb(190, 227, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(190, 227,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8853, 0.3904, 0.5282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 227, 0) }
```

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

```
.background{ background-color: rgb(190,  
227, 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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