

Converting Colors

$Y_{xy}(65.0334, 0.3854, 0.5322)$

Have a look what the booklet for
Yxy(65.0334, 0.3854, 0.5322)
contains.

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Color

Yxy(65.0054, 0.3850, 0.5325)

Conversions

Conversions Part 1

Format	Color
Hex	B7E300
RGB	183, 227, 0
RGB Percent	72%, 89%, 0%
CMY	0.2823, 0.1098, 0.9997
CMYK	0.19, 0.00, 1.00, 0.11
HSL	72°, 100%, 45%
HSV	72°, 100%, 89%
XYZ	46.9992, 65.0054, 10.0713
YIQ	187.9660, 46.6430, -79.9250

Conversions

Conversions Part 2

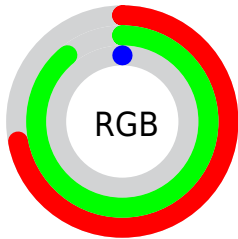
Format	Color
RYB	0, 227, 44
Decimal	12051200
CIELab	84.49, -37.75, 82.80
CIELCh	84, 91.001, 114.506
Yxy	65.0054, 0.3850, 0.5325
Android (android.graphics.Color)	4290241280 (0xFFB7E300)
YUV	187.9660, -92.6672, -4.3552
Hunter-Lab	80.6259, -37.0425, 49.0320

Details

The Yxy color **65.0054, 0.3850, 0.5325** 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 **6.0846, 0.1585, 0.0647**, and the grayscale version is **50.7930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2960, 0.3944, 0.4831**, and **33.4109, 0.3718, 0.5430** is the 20% darker color. If you saturate the color by 10%, you get **65.0066, 0.3850, 0.5325**, and if you desaturate by 10%, it is **65.6173, 0.3865, 0.5260**.

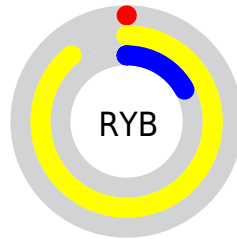
Distribution



Red (72%)

Green (89%)

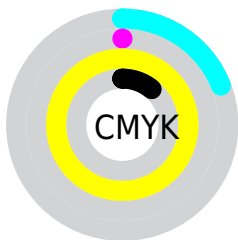
Blue (0%)



Red (0%)

Yellow (89%)

Blue (17%)

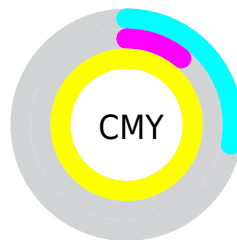


Cyan (19%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (28%)


Magenta (11%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.0054, 0.3850, 0.5325 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 65.0054, 0.3850, 0.5325 by changing the saturation by 10% instead.


 65.0054, 0.3850,
0.5325

 65.0054, 0.3850,
0.5325

442.8114, 0.3619,
0.4384

 47.4655, 0.3863,
0.5516


 112.0576, 0.3800,
0.5013

 33.4038, 0.3857,
0.5733


 142.3387, 0.3771,
0.4887


 22.4359, 0.3816,
0.5977


 177.6356, 0.3742,
0.4776

 14.1776, 0.3729,
0.6271

 218.3327, 0.3714,
0.4678

 8.2443, 0.3493,
0.6507

 264.8145, 0.3688,
0.4592

 4.2516, 0.3139,
0.6861

 317.4652, 0.3663,

 1.8153, 0.2493,

0.4515

0.7507

376.6694, 0.3640,
0.4446


 0.4967, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 65.0054, 0.3850,
0.5325


 65.0054, 0.3850,
0.5325

 65.0066, 0.3850,
0.5325

 65.6173, 0.3865,
0.5260

 66.3147, 0.3858,
0.5154

 67.1234, 0.3825,
0.5001

 68.0567, 0.3767,
0.4807

■ 69.1259, 0.3687,
0.4578

■ 70.3408, 0.3589,
0.4327

■ 71.7103, 0.3479,
0.4063

■ 73.2423, 0.3362,
0.3797

■ 74.9444, 0.3244,
0.3537

Harmonies

Analogous

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



65.0054, 0.4743, 0.4701



65.0054, 0.3850, 0.5325



65.0054, 0.2839, 0.5244

Triad

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



65.0054, 0.3850, 0.5325



65.0054, 0.1337, 0.2078



65.0054, 0.4263, 0.2537

Complementary

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



65.0054, 0.3850, 0.5325



6.0846, 0.1585, 0.0647

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.



65.0054, 0.3086, 0.2022



65.0054, 0.3850, 0.5325



65.0054, 0.1558, 0.1742

Square

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



65.0054, 0.3850, 0.5325



65.0054, 0.1449, 0.2882



65.0054, 0.2129, 0.1743



65.0054, 0.5137, 0.3198

Rectangle

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



65.0054, 0.3850, 0.5325



65.0054, 0.2218, 0.4600



65.0054, 0.2129, 0.1743



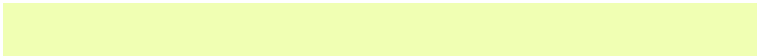
65.0054, 0.3873, 0.2344

Sweetspot

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



65.0083, 0.3850, 0.5325



93.3094, 0.3481, 0.4069



17.9644, 0.6223, 0.3440



19.8051, 0.3529, 0.4181



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.



65.0083, 0.3850, 0.5325



84.5795, 0.3848, 0.5327



56.3151, 0.3148, 0.5882



16.6686, 0.3238, 0.3524



37.9600, 0.3855, 0.5321



2.8414, 0.3907, 0.5280

Inverse Universe

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



6.0846, 0.1585, 0.0647



7.8839, 0.1581, 0.0644



12.5302, 0.2413, 0.1103



14.0210, 0.3010, 0.3049



3.5849, 0.1595, 0.0652



0.3028, 0.1727, 0.0725

Previews

White Background



This preview shows how the Yxy color 65.0054, 0.3850, 0.5325 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 65.0054, 0.3850, 0.5325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

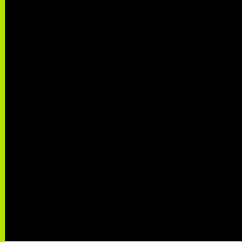
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.0054, 0.3850, 0.5325

Background



This preview shows how black text looks on a background with the Yxy color 65.0054, 0.3850, 0.5325.



This preview shows how white text looks on a background with the Yxy color 65.0054, 0.3850, 0.5325.

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

65.0054, 0.3850, 0.5325

Protanopia

64.5931, 0.4403, 0.4886

Deuteranopia

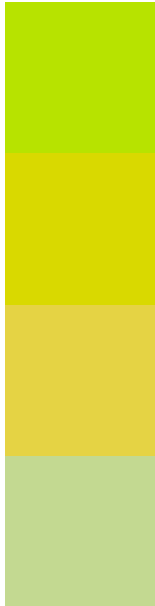
64.5626, 0.4263, 0.4233



Tritanopia

64.7465, 0.2949, 0.3097

Trichromacy



Original Color

65.0054, 0.3850, 0.5325

Protanomaly

64.3774, 0.4193, 0.5053

Deuteranomaly

63.6639, 0.4194, 0.4713

Tritanomaly

63.2721, 0.3451, 0.4164

Monochromacy



Original Color

65.0054, 0.3850, 0.5325

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

54.0362, 0.3591, 0.4335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.0054, 0.3850, 0.5325 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(183, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(183, 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(183, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 227, 0) }
```

Border

The CSS property to change the border of an element to Yxy 65.0054, 0.3850, 0.5325 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(183, 227, 0) }
```

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

```
.border{ border-color:rgb(183, 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(183, 227, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(183, 227,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 65.0054, 0.3850, 0.5325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 227, 0) }
```

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

```
.background{ background-color: rgb(183,  
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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