

Converting Colors

Yxy(67.9616, 0.3800, 0.5323)

Have a look what the booklet for
Yxy(67.9616, 0.3800, 0.5323)
contains.

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Color

Yxy(67.8275, 0.3805, 0.5321)

Conversions

Conversions Part 1

Format	Color
Hex	B7E813
RGB	183, 232, 19
RGB Percent	72%, 91%, 7%
CMY	0.2823, 0.0902, 0.9264
CMYK	0.21, 0.00, 0.92, 0.09
HSL	74°, 85%, 49%
HSV	74°, 92%, 91%
XYZ	48.5028, 67.8275, 11.1410
YIQ	193.0670, 39.1690, -76.6310

Conversions

Conversions Part 2

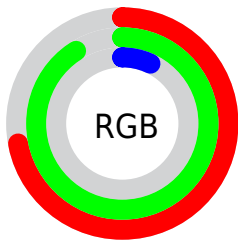
Format	Color
RYB	19, 232, 68
Decimal	12052499
CIELab	85.92, -39.75, 82.18
CIElCh	86, 91.290, 115.815
Yxy	67.8275, 0.3805, 0.5321
Android (android.graphics.Color)	4290242579 (0xFFB7E813)
YUV	193.0670, -85.8150, -8.8288
Hunter-Lab	82.3575, -39.0014, 49.6297

Details

The Yxy color **67.8275, 0.3805, 0.5321** 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 **7.5056, 0.1690, 0.0739**, and the grayscale version is **53.8555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4009, 0.3921, 0.4793**, and **35.3358, 0.3682, 0.5458** is the 20% darker color. If you saturate the color by 10%, you get **67.2632, 0.3786, 0.5376**, and if you desaturate by 10%, it is **68.6175, 0.3810, 0.5218**.

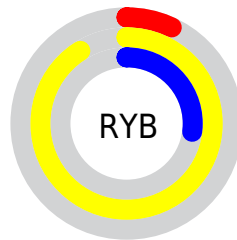
Distribution



Red (72%)

Green (91%)

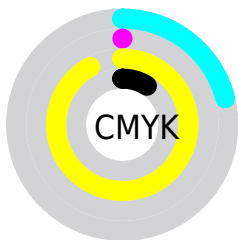
Blue (7%)



Red (7%)

Yellow (91%)

Blue (27%)

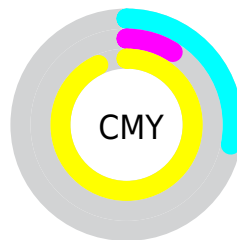


Cyan (21%)

Magenta (0%)

Yellow (92%)

Black (9%)



Cyan (28%)


Magenta (9%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.8275, 0.3805, 0.5321 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 67.8275, 0.3805, 0.5321 by changing the saturation by 10% instead.

 67.8275, 0.3805,
0.5321


 67.8275, 0.3805,
0.5321


452.8846, 0.3593,
0.4382

 49.7574, 0.3816,
0.5514

 116.1053, 0.3760,
0.5008


 35.2207, 0.3809,
0.5734


 147.0819, 0.3733,
0.4882

 23.8329, 0.3767,
0.5983


 183.1293, 0.3707,
0.4771

 15.2097, 0.3694,
0.6306

 224.6322, 0.3681,
0.4674

 8.9667, 0.3458,
0.6542

 271.9747, 0.3657,
0.4588

 4.7195, 0.3108,
0.6892


 325.5413, 0.3634,

 2.0836, 0.2527,

0.4511

0.7473


385.7165, 0.3613,
0.4443


 0.6554, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 67.8275, 0.3805,
0.5321

 67.8275, 0.3805,
0.5321

 67.2632, 0.3786,
0.5376

 68.6175, 0.3810,
0.5218

 69.5255, 0.3788,
0.5067

 70.5692, 0.3741,
0.4872

 71.7609, 0.3671,
0.4642

73.1114, 0.3583,
0.4388

74.6302, 0.3482,
0.4121

76.3262, 0.3372,
0.3851

78.2073, 0.3260,
0.3588

80.2811, 0.3148,
0.3336

Harmonies

Analogous

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



67.8275, 0.4699, 0.4725



67.8275, 0.3805, 0.5321



67.8275, 0.2802, 0.5191

Triad

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



67.8275, 0.3805, 0.5321



67.8275, 0.1354, 0.2067



67.8275, 0.4299, 0.2571

Complementary

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



67.8275, 0.3805, 0.5321



7.5056, 0.1690, 0.0739

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.



67.8275, 0.3136, 0.2050



67.8275, 0.3805, 0.5321



67.8275, 0.1588, 0.1749

Square

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



67.8275, 0.3805, 0.5321



67.8275, 0.1451, 0.2842



67.8275, 0.2172, 0.1762



67.8275, 0.5138, 0.3232

Rectangle

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



67.8275, 0.3805, 0.5321



67.8275, 0.2192, 0.4530



67.8275, 0.2172, 0.1762



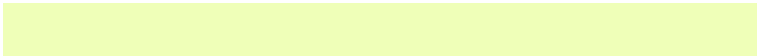
67.8275, 0.3917, 0.2376

Sweetspot

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



67.8305, 0.3805, 0.5321



93.2440, 0.3441, 0.4019



20.9809, 0.5974, 0.3552



19.7700, 0.3488, 0.4136



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.



67.8305, 0.3805, 0.5321



83.3104, 0.3784, 0.5377



59.4326, 0.3157, 0.5825



16.6415, 0.3232, 0.3525



37.3995, 0.3793, 0.5370



2.8045, 0.3854, 0.5322

Inverse Universe

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



7.5056, 0.1690, 0.0739



8.1374, 0.1611, 0.0661



15.0092, 0.2552, 0.1207



14.0461, 0.3016, 0.3049



3.7062, 0.1627, 0.0670



0.3152, 0.1769, 0.0748

Previews

White Background



This preview shows how the Yxy color 67.8275, 0.3805, 0.5321 looks on a white background.

Color Contrast Check

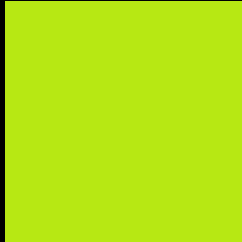
Large Text (above 18pt) WCAG AA × Fail

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 67.8275, 0.3805, 0.5321 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 67.8275, 0.3805, 0.5321

Background



This preview shows how black text looks on a background with the Yxy color 67.8275, 0.3805, 0.5321.



This preview shows how white text looks on a background with the Yxy color 67.8275, 0.3805, 0.5321.

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

67.8275, 0.3805, 0.5321

Protanopia

67.4935, 0.4402, 0.4874

Deuteranopia

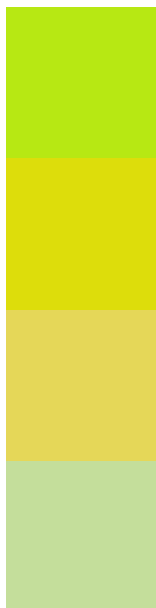
66.9349, 0.4106, 0.4093



Tritanopia

67.6914, 0.2926, 0.3100

Trichromacy



Original Color

67.8275, 0.3805, 0.5321

Protanomaly

67.1092, 0.4185, 0.5039

Deuteranomaly

65.9635, 0.4076, 0.4606

Tritanomaly

66.3449, 0.3381, 0.4093

Monochromacy



Original Color

67.8275, 0.3805, 0.5321

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

57.0562, 0.3531, 0.4257

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.8275, 0.3805, 0.5321 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, 232, 19)` looks like.

```
.text, #text, p{  
    color:rgb(183, 232, 19)  
}
```

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, 232, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 232, 19) }
```

Border

The CSS property to change the border of an element to Yxy 67.8275, 0.3805, 0.5321 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, 232, 19) }
```

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

```
.border{ border-color:rgb(183, 232, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 232, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 232, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 232, 19);  
box-shadow:4px 4px 4px 4px rgb(183, 232,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 67.8275, 0.3805, 0.5321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 232, 19) }
```

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

```
.background{ background-color: rgb(183,  
232, 19) }
```

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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