

Converting Colors

$Yxy(68.8643, 0.3730, 0.5067)$

Have a look what the booklet for
Yxy(68.8643, 0.3730, 0.5067)
contains.

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Color

Yxy(68.8468, 0.3729, 0.5064)

Conversions

Conversions Part 1

Format	Color
Hex	BCE846
RGB	188, 232, 70
RGB Percent	74%, 91%, 27%
CMY	0.2628, 0.0902, 0.7255
CMYK	0.19, 0.00, 0.70, 0.09
HSL	76°, 78%, 59%
HSV	76°, 70%, 91%
XYZ	50.6970, 68.8468, 16.4096
YIQ	200.3760, 25.7780, -59.7100

Conversions

Conversions Part 2

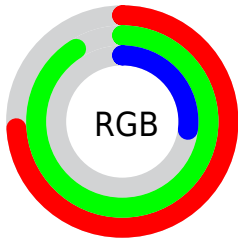
Format	Color
RYB	70, 232, 114
Decimal	12380230
CIELab	86.43, -36.01, 70.17
CIELCh	86, 78.866, 117.165
Yxy	68.8468, 0.3729, 0.5064
Android (android.graphics.Color)	4290570310 (0xFFBCE846)
YUV	200.3760, -64.2754, -10.8538
Hunter-Lab	82.9740, -36.1411, 46.3561

Details

The Yxy color **68.8468, 0.3729, 0.5064** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **13.7860, 0.2056, 0.1196**, and the grayscale version is **58.3943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8265, 0.3809, 0.4536**, and **35.8760, 0.3749, 0.5405** is the 20% darker color. If you saturate the color by 10%, you get **67.8280, 0.3748, 0.5233**, and if you desaturate by 10%, it is **70.0199, 0.3684, 0.4852**.

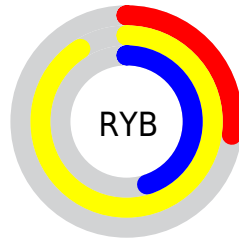
Distribution



Red (74%)

Green (91%)

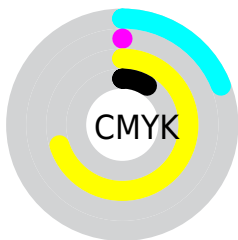
Blue (27%)



Red (27%)

Yellow (91%)

Blue (45%)

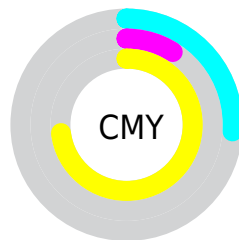


Cyan (19%)

Magenta (0%)

Yellow (70%)

Black (9%)



Cyan (26%)


Magenta (9%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8468, 0.3729, 0.5064 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 68.8468, 0.3729, 0.5064 by changing the saturation by 10% instead.

 68.8468, 0.3729,
0.5064

 68.8468, 0.3729,
0.5064


456.4905, 0.3517,
0.4227


 50.5870, 0.3753,
0.5246


 117.5627, 0.3674,
0.4778


 35.8800, 0.3767,
0.5461


 148.7876, 0.3647,
0.4665


 24.3415, 0.3761,
0.5715


 185.1030, 0.3621,
0.4567

 15.5872, 0.3717,
0.6017

 226.8932, 0.3597,
0.4481

 9.2325, 0.3609,
0.6391

 274.5426, 0.3574,
0.4406

 4.8931, 0.3299,
0.6701

328.4357, 0.3554,

 2.1847, 0.2800,

0.4339

0.7200

388.9569, 0.3534,
0.4280

0.7116, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

68.8468, 0.3729,
0.5064

68.8468, 0.3729,
0.5064

67.8280, 0.3748,
0.5233

70.0199, 0.3684,
0.4852

66.9399, 0.3742,
0.5354


71.3501, 0.3618,
0.4608


66.1618, 0.3714,
0.5432

72.8511, 0.3534,
0.4344


66.1491, 0.3714,
0.5433


74.5325, 0.3438,
0.4070

 76.4031, 0.3335,
0.3798

 78.4710, 0.3230,
0.3535

 80.7438, 0.3125,
0.3286

 83.1896, 0.3028,
0.3060

 84.3028, 0.3069,
0.3063

Harmonies

Analogous

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



68.8468, 0.4516, 0.4628



68.8468, 0.3729, 0.5064



68.8468, 0.2836, 0.4860

Triad

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



68.8468, 0.3729, 0.5064



68.8468, 0.1545, 0.2206



68.8468, 0.4183, 0.2690

Complementary

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



68.8468, 0.3729, 0.5064



13.7860, 0.2056, 0.1196

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.



68.8468, 0.3190, 0.2206



68.8468, 0.3729, 0.5064



68.8468, 0.1774, 0.1917

Square

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



68.8468, 0.3729, 0.5064



68.8468, 0.1632, 0.2886



68.8468, 0.2324, 0.1933



68.8468, 0.4885, 0.3302

Rectangle

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



68.8468, 0.3729, 0.5064



68.8468, 0.2296, 0.4290



68.8468, 0.2324, 0.1933



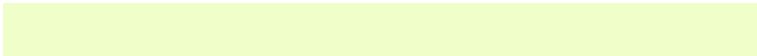
68.8468, 0.3861, 0.2510

Sweetspot

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



68.8499, 0.3729, 0.5064



94.3617, 0.3348, 0.3833



29.4547, 0.5095, 0.3723



20.0563, 0.3377, 0.3908



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.



68.8499, 0.3729, 0.5064



83.5200, 0.3749, 0.5295



61.3369, 0.3192, 0.5419



16.6099, 0.3226, 0.3525



36.7849, 0.3721, 0.5427



2.7635, 0.3793, 0.5370

Inverse Universe

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



13.7860, 0.2056, 0.1196



11.4456, 0.1831, 0.0874



21.7034, 0.2805, 0.1559



14.0757, 0.3022, 0.3050



3.8754, 0.1671, 0.0694



0.3313, 0.1822, 0.0777

Previews

White Background



This preview shows how the Yxy color 68.8468, 0.3729, 0.5064 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 68.8468, 0.3729, 0.5064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

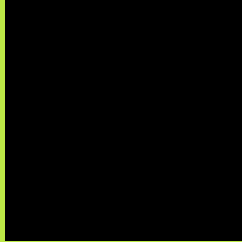
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.8468, 0.3729, 0.5064

Background



This preview shows how black text looks on a background with the Yxy color 68.8468, 0.3729, 0.5064.



This preview shows how white text looks on a background with the Yxy color 68.8468, 0.3729, 0.5064.

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

68.8468, 0.3729, 0.5064

Protanopia

68.3823, 0.4269, 0.4696

Deuteranopia

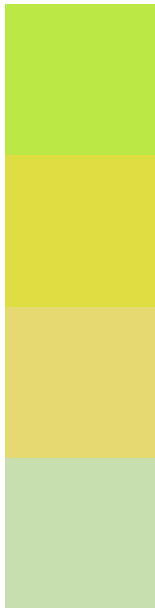
68.1779, 0.4025, 0.4017



Tritanopia

68.6880, 0.2940, 0.3101

Trichromacy



Original Color

68.8468, 0.3729, 0.5064

Protanomaly

68.1774, 0.4064, 0.4839

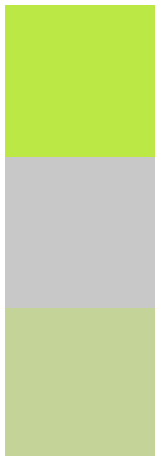
Deuteranomaly

67.8069, 0.3943, 0.4401

Tritanomaly

67.4407, 0.3279, 0.3858

Monochromacy



Original Color

68.8468, 0.3729, 0.5064

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

61.1226, 0.3417, 0.4011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8468, 0.3729, 0.5064 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(188, 232, 70)` looks like.

```
.text, #text, p{  
    color:rgb(188, 232, 70)  
}
```

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(188, 232, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 232, 70) }
```

Border

The CSS property to change the border of an element to Yxy 68.8468, 0.3729, 0.5064 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(188, 232, 70) }
```

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

```
.border{ border-color:rgb(188, 232, 70) }
```

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

Here you see how a box with a 4 pixel rgb(188, 232, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 232, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 232, 70);  
box-shadow:4px 4px 4px 4px rgb(188, 232,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8468, 0.3729, 0.5064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 232, 70) }
```

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

```
.background{ background-color: rgb(188,  
232, 70) }
```

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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