

Converting Colors

$Y_{xy}(75.1780, 0.3676, 0.5308)$

Have a look what the booklet for
Yxy(75.1780, 0.3676, 0.5308)
contains.

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Color

Yxy(75.3258, 0.3679, 0.5308)

Conversions

Conversions Part 1

Format	Color
Hex	B5F52E
RGB	181, 245, 46
RGB Percent	71%, 96%, 18%
CMY	0.2900, 0.0392, 0.8195
CMYK	0.26, 0.00, 0.81, 0.04
HSL	79°, 91%, 57%
HSV	79°, 81%, 96%
XYZ	52.2087, 75.3258, 14.3755
YIQ	203.1780, 25.7350, -75.4570

Conversions

Conversions Part 2

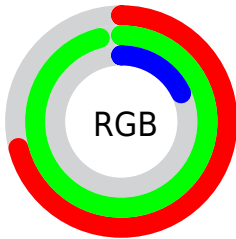
Format	Color
RYB	46, 245, 110
Decimal	11924782
CIELab	89.55, -45.45, 80.14
CIELCh	90, 92.128, 119.562
Yxy	75.3258, 0.3679, 0.5308
Android (android.graphics.Color)	4290114862 (0xFFB5F52E)
YUV	203.1780, -77.4888, -19.4501
Hunter-Lab	86.7904, -44.5068, 50.9328

Details

The Yxy color **75.3258, 0.3679, 0.5308** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **11.8645, 0.1940, 0.0963**, and the grayscale version is **60.3323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3466, 0.3846, 0.4693**, and **40.1040, 0.3588, 0.5533** is the 20% darker color. If you saturate the color by 10%, you get **74.2621, 0.3661, 0.5430**, and if you desaturate by 10%, it is **76.5601, 0.3672, 0.5136**.

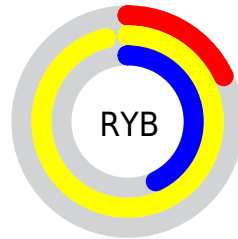
Distribution



Red (71%)

Green (96%)

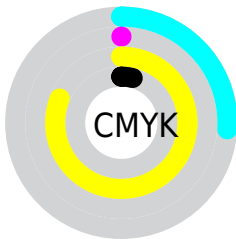
Blue (18%)



Red (18%)

Yellow (96%)

Blue (43%)

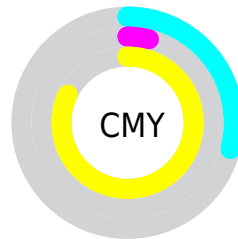


Cyan (26%)

Magenta (0%)

Yellow (81%)

Black (4%)



Cyan (29%)


Magenta (4%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.3258, 0.3679, 0.5308 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 75.3258, 0.3679, 0.5308 by changing the saturation by 10% instead.

 75.3258, 0.3679,
0.5308

 75.3258, 0.3679,
0.5308


479.0366, 0.3519,
0.4372

 55.8798, 0.3684,
0.5504


 126.7734, 0.3648,
0.4994


 40.1066, 0.3672,
0.5733


 159.5439, 0.3629,
0.4868


 27.6217, 0.3631,
0.5997


 197.5247, 0.3609,
0.4758

 18.0407, 0.3550,
0.6321

 241.1001, 0.3589,
0.4661

 10.9792, 0.3357,
0.6643

 290.6546, 0.3570,
0.4576

 6.0528, 0.3014,
0.6986

346.5726, 0.3552,

 2.8772, 0.2485,

0.4500

409.2385, 0.3535,
0.4433

0.7515

■ 1.0680, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 75.3258, 0.3679,
0.5308

■ 75.3258, 0.3679,
0.5308

■ 74.2621, 0.3661,
0.5430


■ 76.5601, 0.3672,
0.5136

■ 73.4359, 0.3628,
0.5501


■ 77.9722, 0.3640,
0.4919

■ 79.5798, 0.3585,
0.4669


■ 81.3958, 0.3512,
0.4398

 83.4315, 0.3426,
0.4118

 85.6973, 0.3333,
0.3840

 88.2031, 0.3236,
0.3572

 90.9577, 0.3139,
0.3319

 93.2042, 0.3112,
0.3194

Harmonies

Analogous

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



75.3258, 0.4578, 0.4794



75.3258, 0.3679, 0.5308



75.3258, 0.2697, 0.5045

Triad

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



75.3258, 0.3679, 0.5308



75.3258, 0.1398, 0.2035



75.3258, 0.4402, 0.2664

Complementary

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



75.3258, 0.3679, 0.5308



11.8645, 0.1940, 0.0963

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.



75.3258, 0.3277, 0.2128



75.3258, 0.3679, 0.5308



75.3258, 0.1669, 0.1765

Square

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



75.3258, 0.3679, 0.5308



75.3258, 0.1453, 0.2735



75.3258, 0.2292, 0.1812



75.3258, 0.5144, 0.3326

Rectangle

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



75.3258, 0.3679, 0.5308



75.3258, 0.2119, 0.4340



75.3258, 0.2292, 0.1812



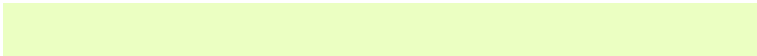
75.3258, 0.4041, 0.2466

Sweetspot

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



75.3291, 0.3679, 0.5308



93.1237, 0.3360, 0.3918



30.5561, 0.5428, 0.3802



19.7419, 0.3393, 0.4018



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.



75.3291, 0.3679, 0.5308



80.7067, 0.3639, 0.5480



67.3179, 0.3117, 0.5722



19.0310, 0.3219, 0.3527



39.6401, 0.3637, 0.5494



3.5391, 0.3708, 0.5438

Inverse Universe

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



11.8645, 0.1940, 0.0963



9.4204, 0.1742, 0.0743



22.0352, 0.2833, 0.1431



16.1853, 0.3029, 0.3049



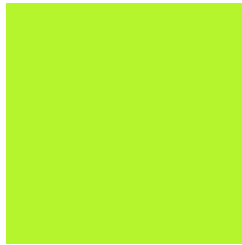
4.5073, 0.1729, 0.0726



0.4491, 0.1862, 0.0800

Previews

White Background



This preview shows how the Yxy color 75.3258, 0.3679, 0.5308 looks on a white background.

Color Contrast Check

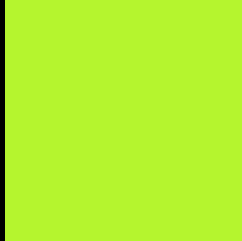
Large Text (above 18pt) WCAG AA × Fail

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 75.3258, 0.3679, 0.5308 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 75.3258, 0.3679, 0.5308

Background



This preview shows how black text looks on a background with the Yxy color 75.3258, 0.3679, 0.5308.



This preview shows how white text looks on a background with the Yxy color 75.3258, 0.3679, 0.5308.

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

75.3258, 0.3679, 0.5308

Protanopia

74.7060, 0.4349, 0.4815

Deuteranopia

74.1928, 0.3768, 0.3815



Tritanopia

74.8371, 0.2853, 0.3094

Trichromacy



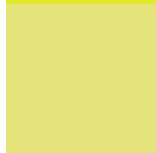
Original Color

75.3258, 0.3679, 0.5308



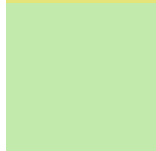
Protanomaly

74.0564, 0.4096, 0.5001



Deuteranomaly

73.4108, 0.3807, 0.4414



Tritanomaly

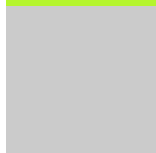
73.4649, 0.3241, 0.4003

Monochromacy



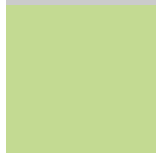
Original Color

75.3258, 0.3679, 0.5308



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

63.8202, 0.3442, 0.4163

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.3258, 0.3679, 0.5308 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(181, 245, 46)` looks like.

```
.text, #text, p{  
    color:rgb(181, 245, 46)  
}
```

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(181, 245, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 245, 46) }
```

Border

The CSS property to change the border of an element to Yxy 75.3258, 0.3679, 0.5308 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(181, 245, 46) }
```

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

```
.border{ border-color:rgb(181, 245, 46) }
```

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

Here you see how a box with a 4 pixel rgb(181, 245, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 245, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 245, 46);  
box-shadow:4px 4px 4px 4px rgb(181, 245,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 75.3258, 0.3679, 0.5308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 245, 46) }
```

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

```
.background{ background-color: rgb(181,  
245, 46) }
```

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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