

Converting Colors

$Y_{xy}(71.8789, 0.3772, 0.5165)$

Have a look what the booklet for
Yxy(71.8789, 0.3772, 0.5165)
contains.

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Color

Yxy(71.9303, 0.3768, 0.5165)

Conversions

Conversions Part 1

Format	Color
Hex	BFED38
RGB	191, 237, 56
RGB Percent	75%, 93%, 22%
CMY	0.2512, 0.0705, 0.7804
CMYK	0.19, 0.00, 0.76, 0.07
HSL	75°, 83%, 57%
HSV	75°, 76%, 93%
XYZ	52.4750, 71.9303, 14.8596
YIQ	202.6120, 30.6850, -66.0430

Conversions

Conversions Part 2

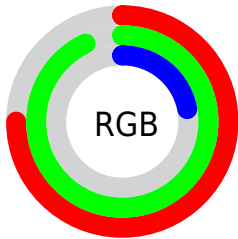
Format	Color
RYB	56, 237, 102
Decimal	12578104
CIELab	87.94, -37.82, 76.23
CIELCh	88, 85.093, 116.385
Yxy	71.9303, 0.3768, 0.5165
Android (android.graphics.Color)	4290768184 (0xFFBFED38)
YUV	202.6120, -72.2797, -10.1837
Hunter-Lab	84.8117, -37.9784, 48.9802

Details

The Yxy color **71.9303, 0.3768, 0.5165** 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 **11.7734, 0.1926, 0.1022**, and the grayscale version is **59.9092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3136, 0.3884, 0.4602**, and **38.0343, 0.3732, 0.5419** is the 20% darker color. If you saturate the color by 10%, you get **70.9881, 0.3773, 0.5299**, and if you desaturate by 10%, it is **73.0208, 0.3737, 0.4984**.

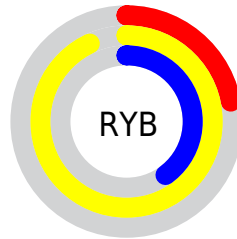
Distribution



Red (75%)

Green (93%)

Blue (22%)



Red (22%)

Yellow (93%)

Blue (40%)

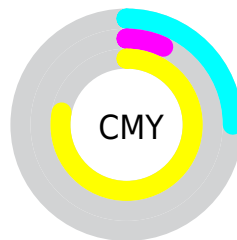


Cyan (19%)

Magenta (0%)

Yellow (76%)

Black (7%)



Cyan (25%)


Magenta (7%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.9303, 0.3768, 0.5165 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 71.9303, 0.3768, 0.5165 by changing the saturation by 10% instead.


 71.9303, 0.3768,
0.5165


 71.9303, 0.3768,
0.5165

467.2990, 0.3553,
0.4295

 53.1017, 0.3788,
0.5348

 121.9574, 0.3716,
0.4872

 37.8840, 0.3796,
0.5562


 153.9248, 0.3688,
0.4755


 25.8927, 0.3780,
0.5809


 191.0405, 0.3662,
0.4653

 16.7434, 0.3728,
0.6108

 233.6891, 0.3637,
0.4563

 10.0517, 0.3582,
0.6418

 282.2548, 0.3614,
0.4484

 5.4332, 0.3276,
0.6724

337.1221, 0.3592,

 2.5036, 0.2793,

0.4414

0.7207

398.6753, 0.3572,
0.4351

0.8785, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

71.9303, 0.3768,
0.5165

71.9303, 0.3768,
0.5165

70.9881, 0.3773,
0.5299

73.0208, 0.3737,
0.4984


70.1671, 0.3753,
0.5386


74.2640, 0.3681,
0.4763


69.8896, 0.3743,
0.5410


75.6752, 0.3605,
0.4514


77.2651, 0.3513,
0.4247

 79.0435, 0.3411,
0.3975

 81.0191, 0.3304,
0.3706

 83.2003, 0.3195,
0.3447

 85.5949, 0.3089,
0.3204

 87.2531, 0.3072,
0.3113

Harmonies

Analogous

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



71.9303, 0.4595, 0.4665



71.9303, 0.3768, 0.5165



71.9303, 0.2831, 0.4992

Triad

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



71.9303, 0.3768, 0.5165



71.9303, 0.1468, 0.2155



71.9303, 0.4222, 0.2639

Complementary

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



71.9303, 0.3768, 0.5165



11.7734, 0.1926, 0.1022

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.



71.9303, 0.3162, 0.2141



71.9303, 0.3768, 0.5165



71.9303, 0.1697, 0.1851

Square

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



71.9303, 0.3768, 0.5165



71.9303, 0.1562, 0.2876



71.9303, 0.2259, 0.1864



71.9303, 0.4981, 0.3271

Rectangle

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



71.9303, 0.3768, 0.5165



71.9303, 0.2262, 0.4389



71.9303, 0.2259, 0.1864



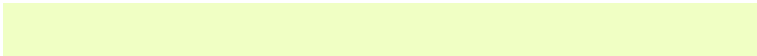
71.9303, 0.3876, 0.2453

Sweetspot

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



71.9335, 0.3768, 0.5165



94.0598, 0.3376, 0.3886



27.6508, 0.5382, 0.3690



19.9581, 0.3415, 0.3984



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.



71.9335, 0.3768, 0.5165



83.2137, 0.3764, 0.5357



63.6451, 0.3189, 0.5575



17.4228, 0.3229, 0.3525



38.2169, 0.3750, 0.5404



3.0462, 0.3814, 0.5353

Inverse Universe

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



11.7734, 0.1926, 0.1022



9.4445, 0.1711, 0.0747



20.1201, 0.2732, 0.1432



14.7341, 0.3019, 0.3049



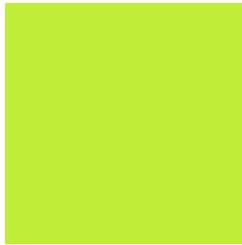
3.9208, 0.1651, 0.0683



0.3525, 0.1789, 0.0759

Previews

White Background



This preview shows how the Yxy color 71.9303, 0.3768, 0.5165 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 71.9303, 0.3768, 0.5165 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 71.9303, 0.3768, 0.5165

Background



This preview shows how black text looks on a background with the Yxy color 71.9303, 0.3768, 0.5165.



This preview shows how white text looks on a background with the Yxy color 71.9303, 0.3768, 0.5165.

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

71.9303, 0.3768, 0.5165

Protanopia

71.2085, 0.4323, 0.4767

Deuteranopia

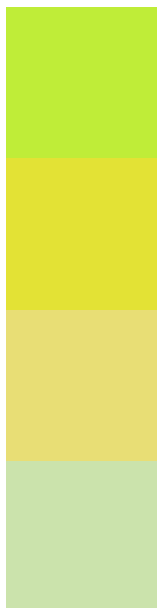
71.1155, 0.3895, 0.3918



Tritanopia

71.5876, 0.2943, 0.3105

Trichromacy



Original Color

71.9303, 0.3768, 0.5165

Protanomaly

70.9806, 0.4121, 0.4915

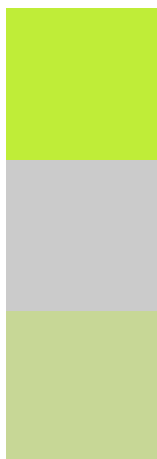
Deuteranomaly

70.6827, 0.3902, 0.4405

Tritanomaly

70.6132, 0.3314, 0.3930

Monochromacy



Original Color

71.9303, 0.3768, 0.5165

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

62.9450, 0.3454, 0.4074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9303, 0.3768, 0.5165 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(191, 237, 56)` looks like.

```
.text, #text, p{  
    color:rgb(191, 237, 56)  
}
```

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(191, 237, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 237, 56) }
```

Border

The CSS property to change the border of an element to Yxy 71.9303, 0.3768, 0.5165 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(191, 237, 56) }
```

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

```
.border{ border-color:rgb(191, 237, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 237, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 237, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 237, 56);  
box-shadow:4px 4px 4px 4px rgb(191, 237,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9303, 0.3768, 0.5165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 237, 56) }
```

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

```
.background{ background-color: rgb(191,  
237, 56) }
```

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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