

Converting Colors

$Y_{xy}(74.0008, 0.3726, 0.5376)$

Have a look what the booklet for
Yxy(74.0008, 0.3726, 0.5376)
contains.

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Color

Yxy(73.9829, 0.3725, 0.5378)

Conversions

Conversions Part 1

Format	Color
Hex	B5F316
RGB	181, 243, 22
RGB Percent	71%, 95%, 9%
CMY	0.2904, 0.0470, 0.9135
CMYK	0.26, 0.00, 0.91, 0.05
HSL	77°, 90%, 52%
HSV	77°, 91%, 95%
XYZ	51.2433, 73.9829, 12.3397
YIQ	199.2680, 33.9890, -81.8750

Conversions

Conversions Part 2

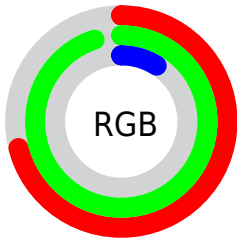
Format	Color
R_{YB}	22, 243, 84
Decimal	11924246
CIE _{Lab}	88.91, -45.27, 84.10
CIE _{LCh}	89, 95.512, 118.294
Yxy	73.9829, 0.3725, 0.5378
Android (android.graphics.Color)	4290114326 (0xFFB5F316)
YUV	199.2680, -87.3931, -16.0210
Hunter-Lab	86.0133, -44.1802, 51.7034

Details

The Yxy color **73.9829, 0.3725, 0.5378** 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 **8.9374, 0.1758, 0.0780**, and the grayscale version is **57.8159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.1026, 0.3896, 0.4781**, and **39.6782, 0.3594, 0.5528** is the 20% darker color. If you saturate the color by 10%, you get **73.1964, 0.3697, 0.5447**, and if you desaturate by 10%, it is **74.9733, 0.3736, 0.5261**.

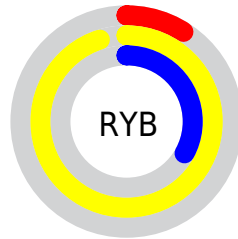
Distribution



Red (71%)

Green (95%)

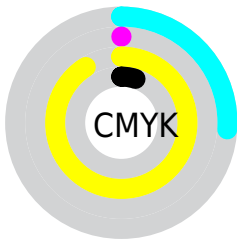
Blue (9%)



Red (9%)

Yellow (95%)

Blue (33%)

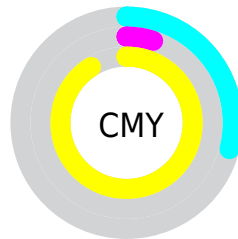


Cyan (26%)

Magenta (0%)

Yellow (91%)

Black (5%)



Cyan (29%)


Magenta (5%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.9829, 0.3725, 0.5378 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 73.9829, 0.3725, 0.5378 by changing the saturation by 10% instead.


 73.9829, 0.3725,
0.5378

 73.9829, 0.3725,
0.5378


474.4143, 0.3556,
0.4417


 54.7800, 0.3727,
0.5575

 124.8716, 0.3694,
0.5059


 39.2256, 0.3711,
0.5802

 157.3262, 0.3674,
0.4929

 26.9353, 0.3661,
0.6059

 194.9668, 0.3653,
0.4816

 17.5246, 0.3587,
0.6408

 238.1779, 0.3632,
0.4717

 10.6093, 0.3346,
0.6654

 287.3438, 0.3611,
0.4629

 5.8047, 0.2995,
0.7005


 342.8489, 0.3592,

 2.7267, 0.2452,


0.4550


0.7548


405.0776, 0.3573,
0.4480


 0.9908, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.9829, 0.3725,
0.5378


 73.9829, 0.3725,
0.5378


 73.1964, 0.3697,
0.5447


 74.9733, 0.3736,
0.5261


 76.1099, 0.3722,
0.5096


 77.4125, 0.3682,
0.4887


 78.8949, 0.3619,
0.4644

 80.5693, 0.3538,
0.4379

 82.4465, 0.3445,
0.4104

 84.5366, 0.3344,
0.3830

 86.8488, 0.3240,
0.3564

 89.3916, 0.3137,
0.3313

Harmonies

Analogous

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



73.9829, 0.4649, 0.4800



73.9829, 0.3725, 0.5378



73.9829, 0.2711, 0.5167

Triad

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



73.9829, 0.3725, 0.5378



73.9829, 0.1340, 0.2007



73.9829, 0.4409, 0.2611

Complementary

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



73.9829, 0.3725, 0.5378



8.9374, 0.1758, 0.0780

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.



73.9829, 0.3230, 0.2070



73.9829, 0.3725, 0.5378



73.9829, 0.1604, 0.1720

Square

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



73.9829, 0.3725, 0.5378



73.9829, 0.1408, 0.2747



73.9829, 0.2225, 0.1758



73.9829, 0.5208, 0.3285

Rectangle

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



73.9829, 0.3725, 0.5378



73.9829, 0.2109, 0.4446



73.9829, 0.2225, 0.1758



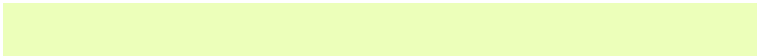
73.9829, 0.4027, 0.2411

Sweetspot

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



73.9862, 0.3725, 0.5378



92.8466, 0.3407, 0.3998



24.9960, 0.5845, 0.3648



19.7072, 0.3441, 0.4092



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.



73.9862, 0.3725, 0.5378



81.6337, 0.3696, 0.5448



65.6086, 0.3119, 0.5848



19.0660, 0.3225, 0.3527



40.2384, 0.3705, 0.5440



3.5880, 0.3768, 0.5390

Inverse Universe

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



8.9374, 0.1758, 0.0780



8.5832, 0.1663, 0.0690



18.1831, 0.2670, 0.1275



16.1520, 0.3023, 0.3048



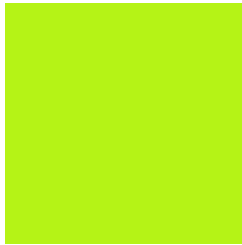
4.2892, 0.1679, 0.0698



0.4265, 0.1806, 0.0769

Previews

White Background



This preview shows how the Yxy color 73.9829, 0.3725, 0.5378 looks on a white background.

Color Contrast Check

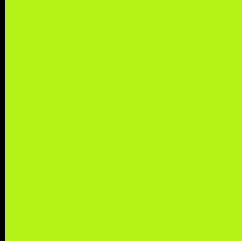
Large Text (above 18pt) WCAG AA × Fail

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 73.9829, 0.3725, 0.5378 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 73.9829, 0.3725, 0.5378

Background



This preview shows how black text looks on a background with the Yxy color 73.9829, 0.3725, 0.5378.



This preview shows how white text looks on a background with the Yxy color 73.9829, 0.3725, 0.5378.

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

73.9829, 0.3725, 0.5378

Protanopia

73.3087, 0.4400, 0.4870

Deuteranopia

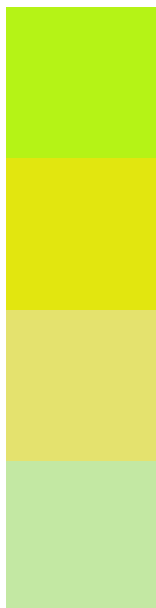
72.9098, 0.3826, 0.3866



Tritanopia

73.6209, 0.2864, 0.3094

Trichromacy



Original Color

73.9829, 0.3725, 0.5378

Protanomaly

72.7969, 0.4152, 0.5059

Deuteranomaly

72.0125, 0.3890, 0.4518

Tritanomaly

71.9597, 0.3305, 0.4102

Monochromacy



Original Color

73.9829, 0.3725, 0.5378

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

61.5566, 0.3498, 0.4271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.9829, 0.3725, 0.5378 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, 243, 22)` looks like.

```
.text, #text, p{  
    color:rgb(181, 243, 22)  
}
```

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, 243, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 243, 22) }
```

Border

The CSS property to change the border of an element to Yxy 73.9829, 0.3725, 0.5378 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, 243, 22) }
```

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

```
.border{ border-color:rgb(181, 243, 22) }
```

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

Here you see how a box with a 4 pixel rgb(181, 243, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 243, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 243, 22);  
box-shadow:4px 4px 4px 4px rgb(181, 243,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 73.9829, 0.3725, 0.5378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 243, 22) }
```

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

```
.background{ background-color: rgb(181,  
243, 22) }
```

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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