

Converting Colors

Yxy(68.0852, 0.3770, 0.5339)

Have a look what the booklet for
Yxy(68.0852, 0.3770, 0.5339)
contains.

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Color

Yxy(68.0391, 0.3773, 0.5336)

Conversions

Conversions Part 1

Format	Color
Hex	B4E916
RGB	180, 233, 22
RGB Percent	71%, 91%, 9%
CMY	0.2941, 0.0863, 0.9133
CMYK	0.23, 0.00, 0.91, 0.09
HSL	75°, 83%, 50%
HSV	75°, 91%, 91%
XYZ	48.1094, 68.0391, 11.3611
YIQ	193.0990, 36.1430, -76.8570

Conversions

Conversions Part 2

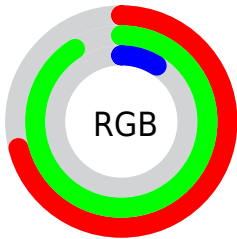
Format	Color
R _Y B	22, 233, 75
Decimal	11856150
CIE Lab	86.03, -41.29, 81.75
CIE LCh	86, 91.587, 116.799
Yxy	68.0391, 0.3773, 0.5336
Android (android.graphics.Color)	4290046230 (0xFFB4E916)
YUV	193.0990, -84.3518, -11.4878
Hunter-Lab	82.4858, -40.2411, 49.5738

Details

The Yxy color **68.0391, 0.3773, 0.5336** 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 **7.9614, 0.1729, 0.0769**, and the grayscale version is **53.8905, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8898, 0.3897, 0.4798**, and **35.5092, 0.3647, 0.5486** is the 20% darker color. If you saturate the color by 10%, you get **67.3301, 0.3749, 0.5405**, and if you desaturate by 10%, it is **68.8941, 0.3778, 0.5222**.

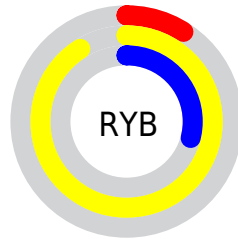
Distribution



Red (71%)

Green (91%)

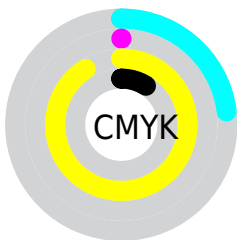
Blue (9%)



Red (9%)

Yellow (91%)

Blue (29%)

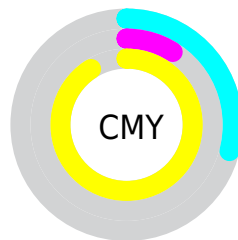


Cyan (23%)

Magenta (0%)

Yellow (91%)

Black (9%)



Cyan (29%)


Magenta (9%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.0391, 0.3773, 0.5336 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 68.0391, 0.3773, 0.5336 by changing the saturation by 10% instead.

 68.0391, 0.3773,
0.5336

 68.0391, 0.3773,
0.5336


 453.6345, 0.3575,
0.4386

 49.9295, 0.3781,
0.5533


 116.4081, 0.3732,
0.5019


 35.3574, 0.3771,
0.5758

 147.4363, 0.3708,
0.4890

 23.9383, 0.3725,
0.6014


 183.5395, 0.3683,
0.4779

 15.2879, 0.3649,
0.6351

 225.1021, 0.3659,
0.4680

 9.0217, 0.3404,
0.6596

 272.5085, 0.3636,
0.4593

 4.7553, 0.3043,
0.6957

 326.1432, 0.3615,

 2.1044, 0.2437,

0.4516

0.7563

386.3904, 0.3594,
0.4447

■ 0.6671, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 68.0391, 0.3773,
0.5336

■ 68.0391, 0.3773,
0.5336

■ 67.3301, 0.3749,
0.5405

■ 68.8941, 0.3778,
0.5222

■ 69.8752, 0.3757,
0.5060

■ 71.0002, 0.3710,
0.4856

■ 72.2811, 0.3641,
0.4617

73.7287, 0.3554,
0.4357

75.3528, 0.3455,
0.4086

77.1620, 0.3349,
0.3815

79.1647, 0.3240,
0.3552

81.3683, 0.3133,
0.3302

Harmonies

Analogous

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



68.0391, 0.4676, 0.4752



68.0391, 0.3773, 0.5336



68.0391, 0.2768, 0.5173

Triad

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



68.0391, 0.3773, 0.5336



68.0391, 0.1354, 0.2048



68.0391, 0.4338, 0.2589

Complementary

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



68.0391, 0.3773, 0.5336



7.9614, 0.1729, 0.0769

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.



68.0391, 0.3173, 0.2062



68.0391, 0.3773, 0.5336



68.0391, 0.1599, 0.1742

Square

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



68.0391, 0.3773, 0.5336



68.0391, 0.1440, 0.2807



68.0391, 0.2196, 0.1765



68.0391, 0.5158, 0.3254

Rectangle

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



68.0391, 0.3773, 0.5336



68.0391, 0.2163, 0.4492



68.0391, 0.2196, 0.1765



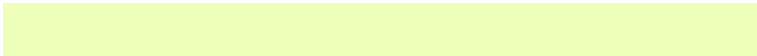
68.0391, 0.3957, 0.2393

Sweetspot

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



68.0421, 0.3773, 0.5336



93.1969, 0.3420, 0.3994



22.3922, 0.5864, 0.3622



19.7906, 0.3456, 0.4088



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.



68.0421, 0.3773, 0.5336



82.5871, 0.3747, 0.5407



59.8264, 0.3135, 0.5830



17.4254, 0.3229, 0.3525



38.2655, 0.3756, 0.5400



3.0497, 0.3819, 0.5350

Inverse Universe

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



7.9614, 0.1729, 0.0769



8.3124, 0.1631, 0.0672



16.1984, 0.2637, 0.1260



14.7318, 0.3019, 0.3049



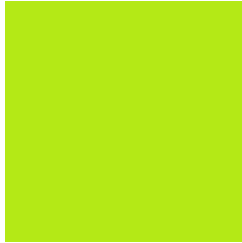
3.9073, 0.1648, 0.0681



0.3512, 0.1785, 0.0757

Previews

White Background



This preview shows how the Yxy color 68.0391, 0.3773, 0.5336 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 68.0391, 0.3773, 0.5336 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 68.0391, 0.3773, 0.5336

Background



This preview shows how black text looks on a background with the Yxy color 68.0391, 0.3773, 0.5336.



This preview shows how white text looks on a background with the Yxy color 68.0391, 0.3773, 0.5336.

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

68.0391, 0.3773, 0.5336

Protanopia

67.5072, 0.4398, 0.4867

Deuteranopia

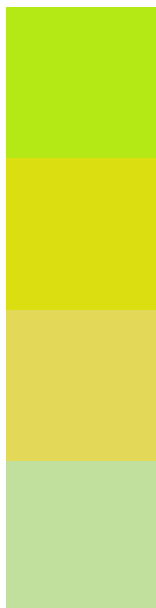
67.4442, 0.4093, 0.4093



Tritanopia

67.8456, 0.2900, 0.3099

Trichromacy



Original Color

68.0391, 0.3773, 0.5336

Protanomaly

67.3400, 0.4157, 0.5050

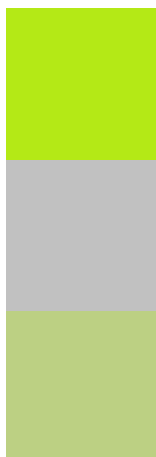
Deuteranomaly

66.3270, 0.4056, 0.4611

Tritanomaly

66.5471, 0.3344, 0.4086

Monochromacy



Original Color

68.0391, 0.3773, 0.5336

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

57.4418, 0.3513, 0.4258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.0391, 0.3773, 0.5336 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(180, 233, 22)` looks like.

```
.text, #text, p{  
    color:rgb(180, 233, 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(180, 233, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 233, 22) }
```

Border

The CSS property to change the border of an element to Yxy 68.0391, 0.3773, 0.5336 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(180, 233, 22) }
```

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

```
.border{ border-color:rgb(180, 233, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 233, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 233, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 233, 22);  
box-shadow:4px 4px 4px 4px rgb(180, 233,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 68.0391, 0.3773, 0.5336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 233, 22) }
```

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

```
.background{ background-color: rgb(180,  
233, 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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