

Converting Colors

Yxy(51.0338, 0.3292, 0.5489)

Have a look what the booklet for
Yxy(51.0338, 0.3292, 0.5489)
contains.

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Color

Yxy(51.0157, 0.3289, 0.5488)

Conversions

Conversions Part 1

Format	Color
Hex	6CD533
RGB	108, 213, 51
RGB Percent	42%, 84%, 20%
CMY	0.5766, 0.1647, 0.7999
CMYK	0.49, 0.00, 0.76, 0.16
HSL	99°, 66%, 52%
HSV	99°, 76%, 84%
XYZ	30.5741, 51.0157, 11.3688
YIQ	163.1370, -10.5780, -72.6420

Conversions

Conversions Part 2

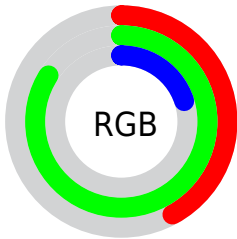
Format	Color
RYB	51, 213, 156
Decimal	7132467
CIELab	76.69, -56.93, 65.63
CIELCh	77, 86.880, 130.939
Yxy	51.0157, 0.3289, 0.5488
Android (android.graphics.Color)	4285322547 (0xFF6CD533)
YUV	163.1370, -55.2835, -48.3551
Hunter-Lab	71.4253, -48.5860, 40.5604

Details

The Yxy color **51.0157, 0.3289, 0.5488** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **14.2466, 0.2552, 0.1351**, and the grayscale version is **36.9632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9490, 0.3357, 0.4971**, and **24.5854, 0.3117, 0.5907** is the 20% darker color. If you saturate the color by 10%, you get **50.0728, 0.3253, 0.5684**, and if you desaturate by 10%, it is **52.1862, 0.3308, 0.5235**.

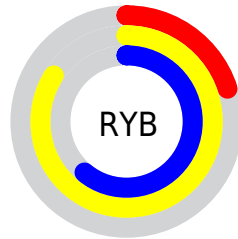
Distribution



Red (42%)

Green (84%)

Blue (20%)



Red (20%)

Yellow (84%)

Blue (61%)

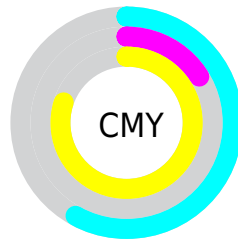


Cyan (49%)

Magenta (0%)

Yellow (76%)

Black (16%)



Cyan (58%)


Magenta (16%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0157, 0.3289, 0.5488 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 51.0157, 0.3289, 0.5488 by changing the saturation by 10% instead.


 51.0157, 0.3289,
0.5488


 51.0157, 0.3289,
0.5488


390.6248, 0.3301,
0.4350


 36.2211, 0.3250,
0.5764


 91.6780, 0.3319,
0.5076


 24.6050, 0.3179,
0.6103

 118.3145, 0.3323,
0.4920

 15.7830, 0.3048,
0.6522


 149.6670, 0.3322,
0.4787

 9.3707, 0.2857,
0.7143

 186.1200, 0.3320,
0.4674

 4.9838, 0.2384,
0.7616

 228.0579, 0.3316,
0.4576

 2.2378, 0.1407,
0.8593

275.8651, 0.3311,

 0.7405, 0.0000,

0.4491

1.0000

329.9259, 0.3306,
0.4416

■ 0.0000, 0.0000,
0.0000

■ 51.0157, 0.3289,
0.5488

■ 51.0157, 0.3289,
0.5488

■ 50.0728, 0.3253,
0.5684

■ 52.1862, 0.3308,
0.5235

■ 49.3314, 0.3204,
0.5814


■ 53.5940, 0.3310,
0.4943

■ 49.0838, 0.3183,
0.5854


■ 55.2561, 0.3296,
0.4628


■ 57.1857, 0.3271,
0.4309

■ 59.3950, 0.3236,
0.3999

 61.8955, 0.3196,
0.3708

 64.6979, 0.3154,
0.3440

 67.8123, 0.3110,
0.3197

 71.2485, 0.3067,
0.2981

Harmonies

Analogous

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



51.0157, 0.4300, 0.5134



51.0157, 0.3289, 0.5488



51.0157, 0.2289, 0.4802

Triad

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



51.0157, 0.3289, 0.5488



51.0157, 0.1376, 0.1805



51.0157, 0.4875, 0.2870

Complementary

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



51.0157, 0.3289, 0.5488



14.2466, 0.2552, 0.1351

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.



51.0157, 0.3748, 0.2251



51.0157, 0.3289, 0.5488



51.0157, 0.1788, 0.1666

Square

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



51.0157, 0.3289, 0.5488



51.0157, 0.1299, 0.2341



51.0157, 0.2589, 0.1827



51.0157, 0.5375, 0.3584

Rectangle

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



51.0157, 0.3289, 0.5488



51.0157, 0.1770, 0.3885



51.0157, 0.2589, 0.1827



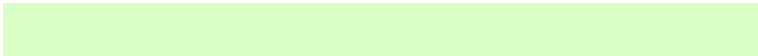
51.0157, 0.4543, 0.2649

Sweetspot

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



51.0179, 0.3289, 0.5488



90.2689, 0.3225, 0.3915



37.3694, 0.4642, 0.4388



19.0416, 0.3239, 0.4024



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.



51.0179, 0.3289, 0.5488



74.5572, 0.3225, 0.5769



48.7724, 0.2948, 0.5456



14.1062, 0.3168, 0.3527



30.0321, 0.3193, 0.5847



1.8569, 0.3330, 0.5738

Inverse Universe

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



14.2466, 0.2552, 0.1351



16.7617, 0.2404, 0.1129



20.2960, 0.3467, 0.1848



12.4041, 0.3082, 0.3056



6.2996, 0.2346, 0.1066



0.4254, 0.2497, 0.1149

Previews

White Background



This preview shows how the Yxy color 51.0157, 0.3289, 0.5488 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 51.0157, 0.3289, 0.5488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

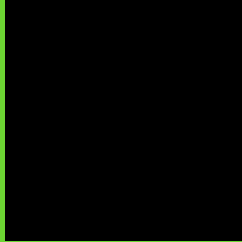
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.0157, 0.3289, 0.5488

Background



This preview shows how black text looks on a background with the Yxy color 51.0157, 0.3289, 0.5488.



This preview shows how white text looks on a background with the Yxy color 51.0157, 0.3289, 0.5488.

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

51.0157, 0.3289, 0.5488

Protanopia

50.0048, 0.4313, 0.4759

Deuteranopia

50.2957, 0.4513, 0.4419



Tritanopia

50.9040, 0.2580, 0.3077

Trichromacy



Original Color

51.0157, 0.3289, 0.5488



Protanomaly

49.1364, 0.3901, 0.5053



Deuteranomaly

48.4173, 0.4026, 0.4817



Tritanomaly

49.9123, 0.2886, 0.4005

Monochromacy



Original Color

51.0157, 0.3289, 0.5488



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

40.2925, 0.3261, 0.4189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0157, 0.3289, 0.5488 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(108, 213, 51)` looks like.

```
.text, #text, p{  
    color:rgb(108, 213, 51)  
}
```

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(108, 213, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 213, 51) }
```

Border

The CSS property to change the border of an element to Yxy 51.0157, 0.3289, 0.5488 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(108, 213, 51) }
```

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

```
.border{ border-color:rgb(108, 213, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 213, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 213, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 213, 51);  
box-shadow:4px 4px 4px 4px rgb(108, 213,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0157, 0.3289, 0.5488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 213, 51) }
```

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

```
.background{ background-color: rgb(108,  
213, 51) }
```

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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