

Converting Colors

Yxy(51.0318, 0.3263, 0.5506)

Have a look what the booklet for
Yxy(51.0318, 0.3263, 0.5506)
contains.

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Color

Yxy(51.2752, 0.3262, 0.5510)

Conversions

Conversions Part 1

Format	Color
Hex	68D633
RGB	104, 214, 51
RGB Percent	41%, 84%, 20%
CMY	0.5920, 0.1608, 0.8000
CMYK	0.51, 0.00, 0.76, 0.16
HSL	100°, 67%, 52%
HSV	100°, 76%, 84%
XYZ	30.3557, 51.2752, 11.4276
YIQ	162.5280, -13.2370, -74.0130

Conversions

Conversions Part 2

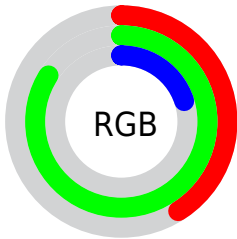
Format	Color
RYB	51, 214, 161
Decimal	6870579
CIELab	76.85, -58.42, 65.74
CIELCh	77, 87.948, 131.628
Yxy	51.2752, 0.3262, 0.5510
Android (android.graphics.Color)	4285060659 (0xFF68D633)
YUV	162.5280, -54.9833, -51.3291
Hunter-Lab	71.6067, -49.6416, 40.6627

Details

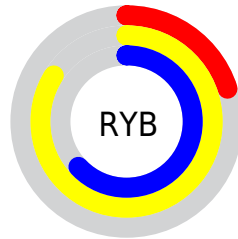
The Yxy color **51.2752, 0.3262, 0.5510** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **14.7950, 0.2598, 0.1372**, and the grayscale version is **36.6647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5166, 0.3333, 0.4985**, and **24.7938, 0.3084, 0.5933** is the 20% darker color. If you saturate the color by 10%, you get **50.3385, 0.3226, 0.5707**, and if you desaturate by 10%, it is **52.4510, 0.3283, 0.5255**.

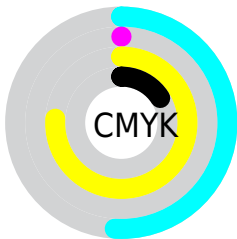
Distribution



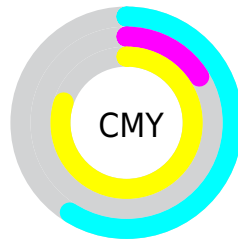
- Red (41%)
- Green (84%)
- Blue (20%)



- Red (20%)
- Yellow (84%)
- Blue (63%)



- Cyan (51%)
- Magenta (0%)
- Yellow (76%)
- Black (16%)





- Cyan (59%)
- Magenta (16%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.2752, 0.3262, 0.5510 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 51.2752, 0.3262, 0.5510 by changing the saturation by 10% instead.

 51.2752, 0.3262,
0.5510


 51.2752, 0.3262,
0.5510


391.6321, 0.3288,
0.4359


 36.4277, 0.3219,
0.5789


 92.0614, 0.3297,
0.5093

 24.7647, 0.3144,
0.6134


 118.7689, 0.3303,
0.4935


 15.9018, 0.3007,
0.6558


 150.1985, 0.3304,
0.4801

 9.4547, 0.2809,
0.7191

 186.7347, 0.3303,
0.4687

 5.0389, 0.2329,
0.7671

 228.7617, 0.3300,
0.4588

 2.2701, 0.1324,
0.8676

276.6640, 0.3297,


 0.7578, 0.0000,


0.4502


1.0000


330.8260, 0.3293,
0.4426


 0.0000, 0.0000,
0.0000


 51.2752, 0.3262,
0.5510


 51.2752, 0.3262,
0.5510


 50.3385, 0.3226,
0.5707

 52.4510, 0.3283,
0.5255


 49.6136, 0.3177,
0.5836

 53.8768, 0.3287,
0.4959

 49.3819, 0.3158,
0.5875

 55.5705, 0.3277,
0.4640

 57.5463, 0.3256,
0.4318

 59.8172, 0.3226,
0.4005

62.3955, 0.3190,
0.3712

65.2928, 0.3152,
0.3443

68.5197, 0.3112,
0.3200

72.0867, 0.3073,
0.2984

Harmonies

Analogous

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



51.2752, 0.4283, 0.5163



51.2752, 0.3262, 0.5510



51.2752, 0.2258, 0.4792

Triad

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



51.2752, 0.3262, 0.5510



51.2752, 0.1368, 0.1785



51.2752, 0.4914, 0.2881

Complementary

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



51.2752, 0.3262, 0.5510



14.7950, 0.2598, 0.1372

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.



51.2752, 0.3782, 0.2254



51.2752, 0.3262, 0.5510



51.2752, 0.1791, 0.1654

Square

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



51.2752, 0.3262, 0.5510



51.2752, 0.1283, 0.2313



51.2752, 0.2607, 0.1822



51.2752, 0.5398, 0.3599

Rectangle

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



51.2752, 0.3262, 0.5510



51.2752, 0.1742, 0.3858



51.2752, 0.2607, 0.1822



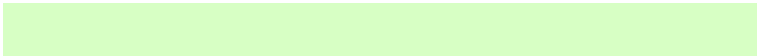
51.2752, 0.4583, 0.2657

Sweetspot

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



51.2774, 0.3262, 0.5510



90.0343, 0.3216, 0.3917



39.5607, 0.4588, 0.4444



18.9857, 0.3228, 0.4027



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.



51.2774, 0.3262, 0.5510



74.2038, 0.3199, 0.5789



49.3494, 0.2928, 0.5394



14.0902, 0.3164, 0.3528



29.8982, 0.3168, 0.5867



1.8475, 0.3303, 0.5760

Inverse Universe

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



14.7950, 0.2598, 0.1372



17.4735, 0.2461, 0.1161



20.2439, 0.3541, 0.1893



12.4208, 0.3086, 0.3057



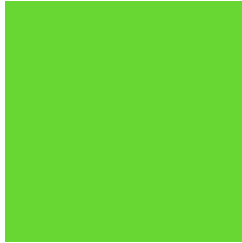
6.5969, 0.2407, 0.1099



0.4418, 0.2548, 0.1177

Previews

White Background



This preview shows how the Yxy color 51.2752, 0.3262, 0.5510 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 51.2752, 0.3262, 0.5510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

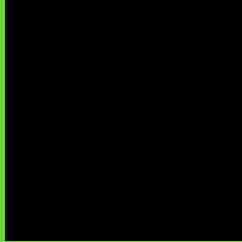
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.2752, 0.3262, 0.5510

Background



This preview shows how black text looks on a background with the Yxy color 51.2752, 0.3262, 0.5510.



This preview shows how white text looks on a background with the Yxy color 51.2752, 0.3262, 0.5510.

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

51.2752, 0.3262, 0.5510

Protanopia

50.5817, 0.4313, 0.4761

Deuteranopia

50.2957, 0.4513, 0.4419



Tritanopia

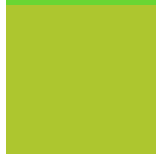
50.7102, 0.2557, 0.3063

Trichromacy



Original Color

51.2752, 0.3262, 0.5510



Protanomaly

49.4776, 0.3885, 0.5066



Deuteranomaly

48.6010, 0.4000, 0.4838



Tritanomaly

49.7236, 0.2861, 0.3993

Monochromacy



Original Color

51.2752, 0.3262, 0.5510



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

40.6118, 0.3250, 0.4204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2752, 0.3262, 0.5510 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(104, 214, 51)` looks like.

```
.text, #text, p{  
    color:rgb(104, 214, 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(104, 214, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 214, 51) }
```

Border

The CSS property to change the border of an element to Yxy 51.2752, 0.3262, 0.5510 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(104, 214, 51) }
```

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

```
.border{ border-color:rgb(104, 214, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 214, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 214, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 214, 51);  
box-shadow:4px 4px 4px 4px rgb(104, 214,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2752, 0.3262, 0.5510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 214, 51) }
```

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

```
.background{ background-color: rgb(104,  
214, 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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