

Converting Colors

Yxy(50.1014, 0.3241, 0.5474)

Have a look what the booklet for
Yxy(50.1014, 0.3241, 0.5474)
contains.

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Color

Yxy(50.1876, 0.3242, 0.5477)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 66D437 |
| RGB | 102, 212, 55 |
| RGB Percent | 40%, 83%, 22% |
| CMY | 0.6003, 0.1686, 0.7842 |
| CMYK | 0.52, 0.00, 0.74, 0.17 |
| HSL | 102°, 65%, 52% |
| HSV | 102°, 74%, 83% |
| XYZ | 29.7075, 50.1876, 11.7382 |
| YIQ | 161.2120, -15.1630, -72.1470 |

Conversions

Conversions Part 2

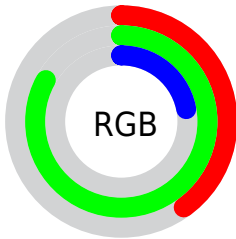
| Format | Color |
|-------------------------------------|--|
| RYB | 55, 212, 165 |
| Decimal | 6738999 |
| CIELab | 76.18, -58.02, 63.75 |
| CIELCh | 76, 86.203, 132.307 |
| Yxy | 50.1876, 0.3242, 0.5477 |
| Android (android.graphics.Color) | 4284929079 (0xFF66D437) |
| YUV | 161.2120, -52.3625, -51.9289 |
| Hunter-Lab | 70.8432, -49.1230, 39.7663 |

Details

The Yxy color **50.1876, 0.3242, 0.5477** 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 **15.4989, 0.2664, 0.1434**, and the grayscale version is **35.9930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3712, 0.3308, 0.4962**, and **24.0840, 0.3078, 0.5938** is the 20% darker color. If you saturate the color by 10%, you get **49.2367, 0.3209, 0.5689**, and if you desaturate by 10%, it is **51.3858, 0.3261, 0.5209**.

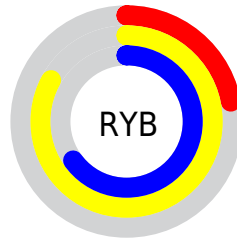
Distribution



Red (40%)

Green (83%)

Blue (22%)



Red (22%)

Yellow (83%)

Blue (65%)

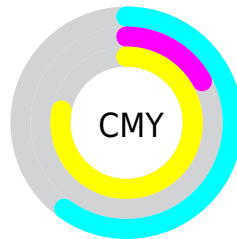


Cyan (52%)

Magenta (0%)

Yellow (74%)

Black (17%)



Cyan (60%)


Magenta (17%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1876, 0.3242, 0.5477 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 50.1876, 0.3242, 0.5477 by changing the saturation by 10% instead.


 50.1876, 0.3242,
0.5477


 50.1876, 0.3242,
0.5477


387.3991, 0.3274,
0.4336

 35.5625, 0.3199,
0.5757


 90.4528, 0.3278,
0.5061


 24.0965, 0.3124,
0.6105


 116.8616, 0.3284,
0.4904


 15.4052, 0.2989,
0.6537


 147.9672, 0.3286,
0.4772

 9.1043, 0.2797,
0.7203

 184.1538, 0.3286,
0.4659

 4.8093, 0.2308,
0.7692

 225.8059, 0.3284,
0.4561

 2.1358, 0.1183,
0.8817

273.3079, 0.3281,

 0.6846, 0.0000,

0.4476

1.0000

327.0442, 0.3277,
0.4402

■ 0.0000, 0.0000,
0.0000

■ 50.1876, 0.3242,
0.5477

■ 50.1876, 0.3242,
0.5477

■ 49.2367, 0.3209,
0.5689

■ 51.3858, 0.3261,
0.5209

■ 48.5063, 0.3163,
0.5833

■ 52.8424, 0.3264,
0.4902

■ 48.1611, 0.3135,
0.5893

■ 54.5756, 0.3255,
0.4578

■ 56.5996, 0.3235,
0.4254

■ 58.9279, 0.3208,
0.3943

61.5729, 0.3176,
0.3653

64.5464, 0.3141,
0.3389

67.8594, 0.3106,
0.3152

71.5227, 0.3071,
0.2942

Harmonies

Analogous

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



50.1876, 0.4256, 0.5161



50.1876, 0.3242, 0.5477



50.1876, 0.2250, 0.4742

Triad

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



50.1876, 0.3242, 0.5477



50.1876, 0.1390, 0.1794



50.1876, 0.4911, 0.2903

Complementary

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



50.1876, 0.3242, 0.5477



15.4989, 0.2664, 0.1434

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.



50.1876, 0.3803, 0.2277



50.1876, 0.3242, 0.5477



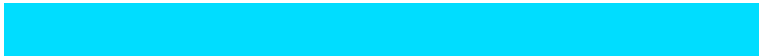
50.1876, 0.1818, 0.1670

Square

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



50.1876, 0.3242, 0.5477



50.1876, 0.1298, 0.2308



50.1876, 0.2637, 0.1843



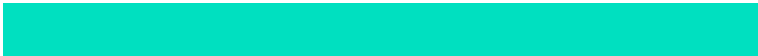
50.1876, 0.5374, 0.3618

Rectangle

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



50.1876, 0.3242, 0.5477



50.1876, 0.1744, 0.3819



50.1876, 0.2637, 0.1843



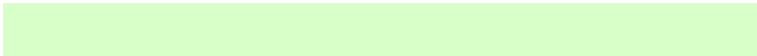
50.1876, 0.4589, 0.2680

Sweetspot

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



50.1897, 0.3242, 0.5477



90.1867, 0.3203, 0.3889



41.1546, 0.4496, 0.4482



19.0811, 0.3211, 0.3971



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.



50.1897, 0.3242, 0.5477



74.0837, 0.3183, 0.5783



48.5843, 0.2907, 0.5266



14.0740, 0.3160, 0.3528



29.7744, 0.3144, 0.5886



1.8385, 0.3276, 0.5781

Inverse Universe

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



15.4989, 0.2664, 0.1434



18.6407, 0.2536, 0.1212



20.0539, 0.3599, 0.1960



12.4378, 0.3091, 0.3057



6.9131, 0.2469, 0.1134



0.4590, 0.2601, 0.1207

Previews

White Background



This preview shows how the Yxy color 50.1876, 0.3242, 0.5477 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 50.1876, 0.3242, 0.5477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

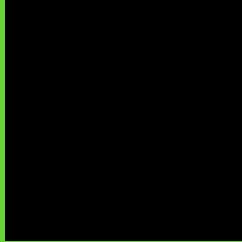
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1876, 0.3242, 0.5477

Background



This preview shows how black text looks on a background with the Yxy color 50.1876, 0.3242, 0.5477.



This preview shows how white text looks on a background with the Yxy color 50.1876, 0.3242, 0.5477.

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

50.1876, 0.3242, 0.5477

Protanopia

49.3177, 0.4290, 0.4742

Deuteranopia

49.1976, 0.4497, 0.4390



Tritanopia

49.9890, 0.2555, 0.3074

Trichromacy



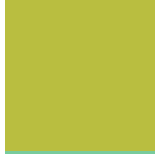
Original Color

50.1876, 0.3242, 0.5477



Protanomaly

48.2649, 0.3858, 0.5044



Deuteranomaly

47.5114, 0.3982, 0.4809



Tritanomaly

49.1052, 0.2847, 0.3983

Monochromacy



Original Color

50.1876, 0.3242, 0.5477



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

39.6231, 0.3236, 0.4183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1876, 0.3242, 0.5477 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(102, 212, 55)` looks like.

```
.text, #text, p{  
    color:rgb(102, 212, 55)  
}
```

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(102, 212, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 212, 55) }
```

Border

The CSS property to change the border of an element to Yxy 50.1876, 0.3242, 0.5477 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(102, 212, 55) }
```

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

```
.border{ border-color:rgb(102, 212, 55) }
```

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

Here you see how a box with a 4 pixel rgb(102, 212, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 212, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 212, 55);  
box-shadow:4px 4px 4px 4px rgb(102, 212,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1876, 0.3242, 0.5477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 212, 55) }
```

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

```
.background{ background-color: rgb(102,  
212, 55) }
```

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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