

Converting Colors

Yxy(58.5831, 0.3254, 0.5742)

Have a look what the booklet for
Yxy(58.5831, 0.3254, 0.5742)
contains.

Yxy(58.7454, 0.3254, 0.5740)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(58.7454, 0.3254, 0.5740)

Conversions

Conversions Part 1

Format	Color
Hex	63E515
RGB	99, 229, 21
RGB Percent	39%, 90%, 8%
CMY	0.6117, 0.1020, 0.9174
CMYK	0.57, 0.00, 0.91, 0.10
HSL	98°, 83%, 49%
HSV	98°, 91%, 90%
XYZ	33.3027, 58.7454, 10.2958
YIQ	166.4180, -10.7120, -92.2480

Conversions

Conversions Part 2

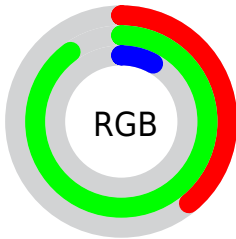
Format	Color
RYB	21, 229, 151
Decimal	6546709
CIELab	81.15, -66.26, 76.39
CIElCh	81, 101.122, 130.941
Yxy	58.7454, 0.3254, 0.5740
Android (android.graphics.Color)	4284736789 (0xFF63E515)
YUV	166.4180, -71.6911, -59.1256
Hunter-Lab	76.6455, -56.5710, 45.6875

Details

The Yxy color **58.7454, 0.3254, 0.5740** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **12.7800, 0.2361, 0.1110**, and the grayscale version is **38.7128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9917, 0.3382, 0.5139**, and **29.5180, 0.3003, 0.5998** is the 20% darker color. If you saturate the color by 10%, you get **58.0109, 0.3204, 0.5838**, and if you desaturate by 10%, it is **59.7544, 0.3298, 0.5578**.

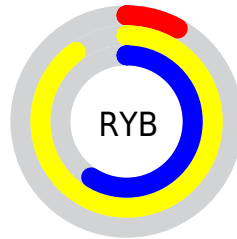
Distribution



Red (39%)

Green (90%)

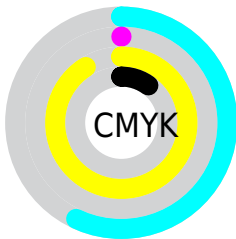
Blue (8%)



Red (8%)

Yellow (90%)

Blue (59%)

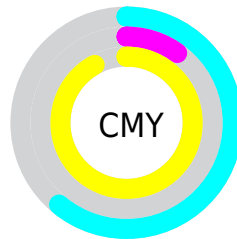


Cyan (57%)

Magenta (0%)

Yellow (91%)

Black (10%)



Cyan (61%)


Magenta (10%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7454, 0.3254, 0.5740 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 58.7454, 0.3254, 0.5740 by changing the saturation by 10% instead.


 58.7454, 0.3254,
0.5740


 58.7454, 0.3254,
0.5740


419.9578, 0.3312,
0.4506

 42.4082, 0.3198,
0.6023


 103.0075, 0.3306,
0.5305


 29.4211, 0.3104,
0.6361


 131.7013, 0.3317,
0.5136

 19.3996, 0.2948,
0.6765


 165.2826, 0.3321,
0.4992

 11.9594, 0.2708,
0.7292

 204.1360, 0.3323,
0.4868

 6.7160, 0.2254,
0.7746

 248.6458, 0.3322,
0.4759

 3.2851, 0.1562,
0.8438

 299.1965, 0.3319,

 1.2823, 0.0000,

0.4665

1.0000

356.1723, 0.3316,
0.4581

■ 0.1275, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.7454, 0.3254,
0.5740

■ 58.7454, 0.3254,
0.5740


■ 58.0109, 0.3204,
0.5838

■ 59.7544, 0.3298,
0.5578


■ 61.0056, 0.3324,
0.5354

■ 62.5218, 0.3332,
0.5081

■ 64.3206, 0.3323,
0.4777

 66.4178, 0.3300,
0.4460

 68.8279, 0.3265,
0.4145

 71.5643, 0.3224,
0.3845

 74.6397, 0.3178,
0.3565

 78.0658, 0.3131,
0.3309

Harmonies

Analogous

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



58.7454, 0.4347, 0.5265



58.7454, 0.3254, 0.5740



58.7454, 0.2184, 0.4999

Triad

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



58.7454, 0.3254, 0.5740



58.7454, 0.1246, 0.1677



58.7454, 0.5061, 0.2813

Complementary

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



58.7454, 0.3254, 0.5740



12.7800, 0.2361, 0.1110

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.



58.7454, 0.3804, 0.2160



58.7454, 0.3254, 0.5740



58.7454, 0.1676, 0.1542

Square

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



58.7454, 0.3254, 0.5740



58.7454, 0.1160, 0.2233



58.7454, 0.2530, 0.1713



58.7454, 0.5588, 0.3557

Rectangle

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



58.7454, 0.3254, 0.5740



58.7454, 0.1636, 0.3943



58.7454, 0.2530, 0.1713



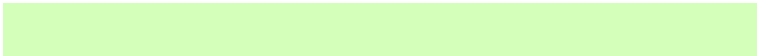
58.7454, 0.4693, 0.2580

Sweetspot

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



58.7479, 0.3254, 0.5740



89.0630, 0.3251, 0.4034



38.3009, 0.4949, 0.4384



18.8160, 0.3265, 0.4139



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.



58.7479, 0.3254, 0.5740



73.9852, 0.3201, 0.5841



56.3916, 0.2968, 0.5809



16.3510, 0.3172, 0.3529



33.2306, 0.3215, 0.5829



2.5073, 0.3329, 0.5738

Inverse Universe

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



12.7800, 0.2361, 0.1110



14.6318, 0.2271, 0.1025



21.5926, 0.3496, 0.1733



14.3312, 0.3078, 0.3054



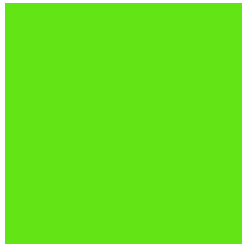
6.6517, 0.2290, 0.1035



0.5442, 0.2424, 0.1109

Previews

White Background



This preview shows how the Yxy color 58.7454, 0.3254, 0.5740 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 58.7454, 0.3254, 0.5740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

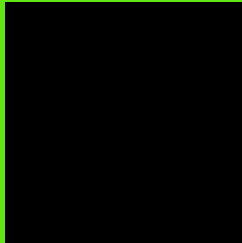
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.7454, 0.3254, 0.5740

Background



This preview shows how black text looks on a background with the Yxy color 58.7454, 0.3254, 0.5740.



This preview shows how white text looks on a background with the Yxy color 58.7454, 0.3254, 0.5740.

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

58.7454, 0.3254, 0.5740

Protanopia

57.4773, 0.4414, 0.4877

Deuteranopia

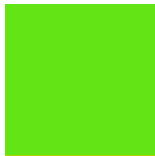
57.5752, 0.4611, 0.4515



Tritanopia

58.3700, 0.2523, 0.3074

Trichromacy



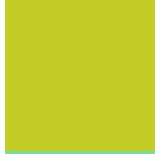
Original Color

58.7454, 0.3254, 0.5740



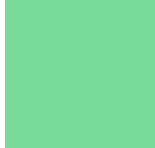
Protanomaly

56.3094, 0.3928, 0.5246



Deuteranomaly

55.0747, 0.4064, 0.5002



Tritanomaly

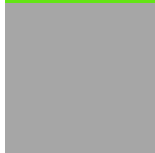
57.0611, 0.2879, 0.4207

Monochromacy



Original Color

58.7454, 0.3254, 0.5740



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

43.3382, 0.3301, 0.4424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.7454, 0.3254, 0.5740 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(99, 229, 21)` looks like.

```
.text, #text, p{  
    color:rgb(99, 229, 21)  
}
```

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(99, 229, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 229, 21) }
```

Border

The CSS property to change the border of an element to Yxy 58.7454, 0.3254, 0.5740 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(99, 229, 21) }
```

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

```
.border{ border-color:rgb(99, 229, 21) }
```

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

Here you see how a box with a 4 pixel rgb(99, 229, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 229, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 229, 21);  
box-shadow:4px 4px 4px 4px rgb(99, 229,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 58.7454, 0.3254, 0.5740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 229, 21) }
```

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

```
.background{ background-color: rgb(99, 229,  
21) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor