

Converting Colors

$Y_{xy}(57.8371, 0.3292, 0.5752)$

Have a look what the booklet for
Yxy(57.8371, 0.3292, 0.5752)
contains.

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Color

Yxy(57.8371, 0.3292, 0.5752)

Conversions

Conversions Part 1

Format	Color
Hex	67E307
RGB	103, 227, 7
RGB Percent	40%, 89%, 3%
CMY	0.5960, 0.1098, 0.9734
CMYK	0.55, 0.00, 0.97, 0.11
HSL	94°, 94%, 46%
HSV	94°, 97%, 89%
XYZ	33.1015, 57.8371, 9.6127
YIQ	164.8440, -3.2840, -94.7080

Conversions

Conversions Part 2

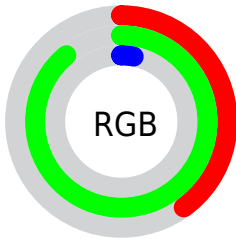
Format	Color
RYB	7, 227, 131
Decimal	6808327
CIELab	80.65, -64.81, 77.58
CIELCh	81, 101.086, 129.873
Yxy	57.8371, 0.3292, 0.5752
Android (android.graphics.Color)	4284998407 (0xFF67E307)
YUV	164.8440, -77.8171, -54.2372
Hunter-Lab	76.0507, -55.3956, 45.7413

Details

The Yxy color **57.8371, 0.3292, 0.5752** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **10.4993, 0.2169, 0.0979**, and the grayscale version is **37.9209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3483, 0.3421, 0.5158**, and **28.8982, 0.3032, 0.5975** is the 20% darker color. If you saturate the color by 10%, you get **57.6043, 0.3276, 0.5781**, and if you desaturate by 10%, it is **58.7303, 0.3344, 0.5631**.

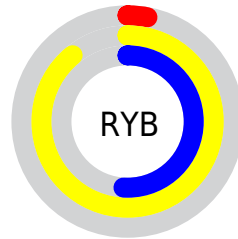
Distribution



Red (40%)

Green (89%)

Blue (3%)



Red (3%)

Yellow (89%)

Blue (51%)

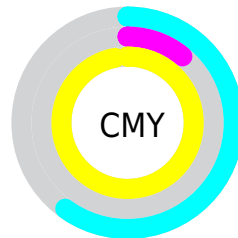


Cyan (55%)

Magenta (0%)

Yellow (97%)

Black (11%)



Cyan (60%)


Magenta (11%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.8371, 0.3292, 0.5752 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 57.8371, 0.3292, 0.5752 by changing the saturation by 10% instead.


 57.8371, 0.3292,
0.5752


 57.8371, 0.3292,
0.5752

416.5787, 0.3336,
0.4515

 41.6777, 0.3237,
0.6033


 101.6856, 0.3341,
0.5317


 28.8490, 0.3144,
0.6368


 130.1435, 0.3349,
0.5148

 18.9666, 0.2988,
0.6769


 163.4697, 0.3352,
0.5004

 11.6462, 0.2737,
0.7263

 202.0485, 0.3352,
0.4879

 6.5032, 0.2283,
0.7717

 246.2645, 0.3350,
0.4770

 3.1534, 0.1578,
0.8422

 296.5019, 0.3346,

 1.2123, 0.0000,

0.4674

1.0000

353.1451, 0.3341,
0.4590

■ 0.0718, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.8371, 0.3292,
0.5752

■ 57.8371, 0.3292,
0.5752

■ 57.6043, 0.3276,
0.5781

■ 58.7303, 0.3344,
0.5631

■ 59.8237, 0.3378,
0.5450

■ 61.1405, 0.3393,
0.5214

■ 62.6975, 0.3387,
0.4937

■ 64.5094, 0.3363,
0.4636

■ 66.5896, 0.3325,
0.4327

■ 68.9503, 0.3278,
0.4023

■ 71.6029, 0.3224,
0.3733

■ 74.5582, 0.3167,
0.3465

Harmonies

Analogous

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



57.8371, 0.4386, 0.5242



57.8371, 0.3292, 0.5752



57.8371, 0.2213, 0.5058

Triad

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



57.8371, 0.3292, 0.5752



57.8371, 0.1231, 0.1683



57.8371, 0.5035, 0.2785

Complementary

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



57.8371, 0.3292, 0.5752



10.4993, 0.2169, 0.0979

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.



57.8371, 0.3758, 0.2136



57.8371, 0.3292, 0.5752



57.8371, 0.1649, 0.1535

Square

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



57.8371, 0.3292, 0.5752



57.8371, 0.1156, 0.2258



57.8371, 0.2488, 0.1697



57.8371, 0.5596, 0.3527

Rectangle

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



57.8371, 0.3292, 0.5752



57.8371, 0.1653, 0.4004



57.8371, 0.2488, 0.1697



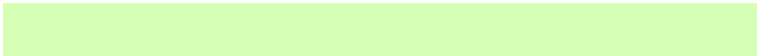
57.8371, 0.4656, 0.2553

Sweetspot

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



57.8396, 0.3292, 0.5752



89.0594, 0.3289, 0.4088



31.7586, 0.5227, 0.4210



18.7777, 0.3310, 0.4218



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.



57.8396, 0.3292, 0.5752



74.9281, 0.3271, 0.5785



55.0267, 0.2993, 0.5954



16.3957, 0.3181, 0.3528



33.6602, 0.3286, 0.5773



2.5415, 0.3401, 0.5682

Inverse Universe

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



10.4993, 0.2169, 0.0979



13.1097, 0.2133, 0.0949



21.4360, 0.3336, 0.1620



14.2854, 0.3068, 0.3053



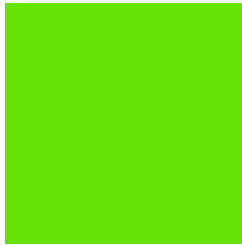
5.9719, 0.2154, 0.0960



0.4960, 0.2302, 0.1042

Previews

White Background



This preview shows how the Yxy color 57.8371, 0.3292, 0.5752 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 57.8371, 0.3292, 0.5752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

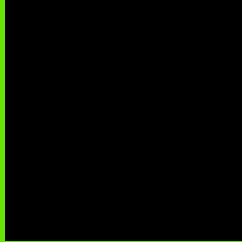
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.8371, 0.3292, 0.5752

Background



This preview shows how black text looks on a background with the Yxy color 57.8371, 0.3292, 0.5752.



This preview shows how white text looks on a background with the Yxy color 57.8371, 0.3292, 0.5752.

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

57.8371, 0.3292, 0.5752

Protanopia

56.6941, 0.4407, 0.4883

Deuteranopia

56.4957, 0.4635, 0.4521



Tritanopia

57.4242, 0.2539, 0.3073

Trichromacy



Original Color

57.8371, 0.3292, 0.5752



Protanomaly

55.3086, 0.3947, 0.5243



Deuteranomaly

54.2157, 0.4107, 0.5015



Tritanomaly

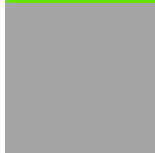
56.0489, 0.2929, 0.4268

Monochromacy



Original Color

57.8371, 0.3292, 0.5752



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

42.7788, 0.3344, 0.4500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8371, 0.3292, 0.5752 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(103, 227, 7)` looks like.

```
.text, #text, p{  
    color:rgb(103, 227, 7)  
}
```

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(103, 227, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 227, 7) }
```

Border

The CSS property to change the border of an element to Yxy 57.8371, 0.3292, 0.5752 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(103, 227, 7) }
```

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

```
.border{ border-color:rgb(103, 227, 7) }
```

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

Here you see how a box with a 4 pixel rgb(103, 227, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 227, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 227, 7);  
box-shadow:4px 4px 4px 4px rgb(103, 227,  
7) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8371, 0.3292, 0.5752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 227, 7) }
```

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

```
.background{ background-color: rgb(103,  
227, 7) }
```

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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