

Converting Colors

Yxy(58.3433, 0.3209, 0.5834)

Have a look what the booklet for
Yxy(58.3433, 0.3209, 0.5834)
contains.

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Color

Yxy(58.6199, 0.3208, 0.5835)

Conversions

Conversions Part 1

Format	Color
Hex	57E600
RGB	87, 230, 0
RGB Percent	34%, 90%, 0%
CMY	0.6587, 0.0980, 1.0000
CMYK	0.62, 0.00, 1.00, 0.10
HSL	97°, 100%, 45%
HSV	97°, 100%, 90%
XYZ	32.2284, 58.6199, 9.6143
YIQ	161.0230, -11.3980, -101.8460

Conversions

Conversions Part 2

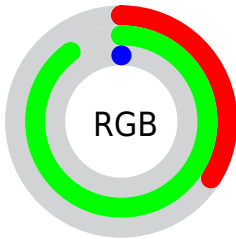
Format	Color
RYB	0, 230, 143
Decimal	5760512
CIELab	81.08, -69.80, 78.32
CIELCh	81, 104.910, 131.705
Yxy	58.6199, 0.3208, 0.5835
Android (android.graphics.Color)	4283950592 (0xFF57E600)
YUV	161.0230, -79.3843, -64.9182
Hunter-Lab	76.5636, -58.8493, 46.1494

Details

The Yxy color **58.6199, 0.3208, 0.5835** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **11.5515, 0.2268, 0.1023**, and the grayscale version is **36.0360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9804, 0.3348, 0.5224**, and **29.8871, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **58.6225, 0.3208, 0.5835**, and if you desaturate by 10%, it is **59.4422, 0.3262, 0.5727**.

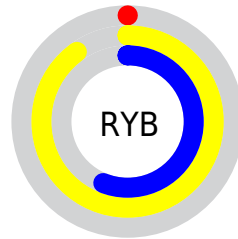
Distribution



Red (34%)

Green (90%)

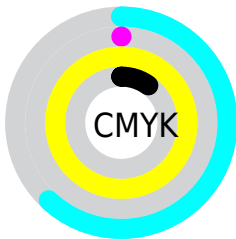
Blue (0%)



Red (0%)

Yellow (90%)

Blue (56%)

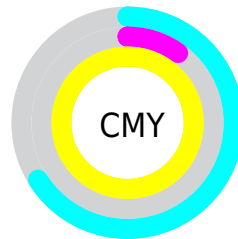


Cyan (62%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (66%)


Magenta (10%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.6199, 0.3208, 0.5835 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 58.6199, 0.3208, 0.5835 by changing the saturation by 10% instead.


 58.6199, 0.3208,
0.5835


 58.6199, 0.3208,
0.5835


419.4919, 0.3297,
0.4551

 42.3072, 0.3142,
0.6128


 102.8250, 0.3274,
0.5383


 29.3419, 0.3034,
0.6477


 131.4863, 0.3288,
0.5208

 19.3396, 0.2861,
0.6896


 165.0325, 0.3297,
0.5057

 11.9159, 0.2589,
0.7411

 203.8480, 0.3301,
0.4928

 6.6865, 0.2116,
0.7884

 248.3174, 0.3302,
0.4815

 3.2668, 0.1361,
0.8639

 298.8249, 0.3302,

 1.2726, 0.0000,

0.4716

1.0000

355.7549, 0.3300,
0.4629

■ 0.1198, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.6199, 0.3208,
0.5835

■ 58.6199, 0.3208,
0.5835

■ 58.6225, 0.3208,
0.5835

■ 59.4422, 0.3262,
0.5727

■ 60.4793, 0.3304,
0.5559

■ 61.7640, 0.3329,
0.5331

■ 63.3165, 0.3335,
0.5056

■ 65.1542, 0.3325,
0.4751

■ 67.2929, 0.3300,
0.4434

■ 69.7470, 0.3264,
0.4121

■ 72.5300, 0.3222,
0.3821

■ 75.6544, 0.3175,
0.3543

Harmonies

Analogous

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



58.6199, 0.4333, 0.5332



58.6199, 0.3208, 0.5835



58.6199, 0.2118, 0.5038

Triad

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



58.6199, 0.3208, 0.5835



58.6199, 0.1206, 0.1623



58.6199, 0.5158, 0.2809

Complementary

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



58.6199, 0.3208, 0.5835



11.5515, 0.2268, 0.1023

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.



58.6199, 0.3862, 0.2141



58.6199, 0.3208, 0.5835



58.6199, 0.1652, 0.1497

Square

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



58.6199, 0.3208, 0.5835



58.6199, 0.1108, 0.2170



58.6199, 0.2536, 0.1680



58.6199, 0.5667, 0.3564

Rectangle

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



58.6199, 0.3208, 0.5835



58.6199, 0.1568, 0.3920



58.6199, 0.2536, 0.1680



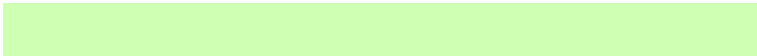
58.6199, 0.4781, 0.2572

Sweetspot

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



58.6225, 0.3208, 0.5835



88.0838, 0.3265, 0.4126



36.1205, 0.5085, 0.4344



18.5621, 0.3281, 0.4258



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.



58.6225, 0.3208, 0.5835



74.0327, 0.3204, 0.5838



56.6737, 0.2980, 0.5926



16.3535, 0.3173, 0.3529



33.2524, 0.3219, 0.5826



2.5091, 0.3333, 0.5735

Inverse Universe

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



11.5515, 0.2268, 0.1023



14.5423, 0.2263, 0.1020



21.1434, 0.3532, 0.1719



14.3286, 0.3078, 0.3054



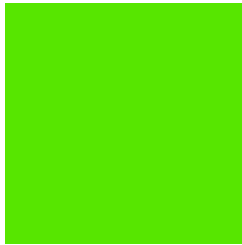
6.6118, 0.2282, 0.1031



0.5414, 0.2417, 0.1105

Previews

White Background



This preview shows how the Yxy color 58.6199, 0.3208, 0.5835 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 58.6199, 0.3208, 0.5835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

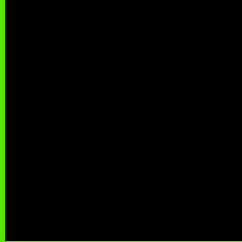
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

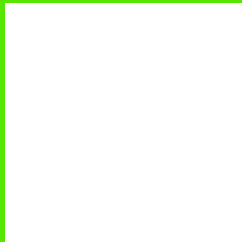
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.6199, 0.3208, 0.5835

Background



This preview shows how black text looks on a background with the Yxy color 58.6199, 0.3208, 0.5835.



This preview shows how white text looks on a background with the Yxy color 58.6199, 0.3208, 0.5835.

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

58.6199, 0.3208, 0.5835

Protanopia

57.3161, 0.4406, 0.4884

Deuteranopia

57.1178, 0.4630, 0.4520



Tritanopia

58.2983, 0.2481, 0.3072

Trichromacy



Original Color

58.6199, 0.3208, 0.5835



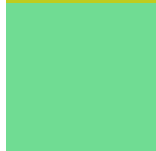
Protanomaly

55.7025, 0.3892, 0.5291



Deuteranomaly

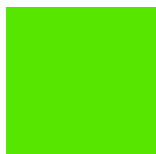
54.3610, 0.4042, 0.5071



Tritanomaly

56.7377, 0.2869, 0.4336

Monochromacy



Original Color

58.6199, 0.3208, 0.5835



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

41.1455, 0.3314, 0.4578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.6199, 0.3208, 0.5835 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(87, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(87, 230, 0)  
}
```

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(87, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 230, 0) }
```

Border

The CSS property to change the border of an element to Yxy 58.6199, 0.3208, 0.5835 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(87, 230, 0) }
```

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

```
.border{ border-color:rgb(87, 230, 0) }
```

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

Here you see how a box with a 4 pixel rgb(87, 230, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 230, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 230, 0);  
box-shadow:4px 4px 4px 4px rgb(87, 230, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 58.6199, 0.3208, 0.5835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 230, 0) }
```

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

```
.background{ background-color: rgb(87, 230,  
0) }
```

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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