

Converting Colors

Yxy(58.5857, 0.3218, 0.5648)

Have a look what the booklet for
Yxy(58.5857, 0.3218, 0.5648)
contains.

Yxy(58.8025, 0.3217, 0.5651)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(58.8025, 0.3217, 0.5651)

Conversions

Conversions Part 1

Format	Color
Hex	62E52A
RGB	98, 229, 42
RGB Percent	38%, 90%, 16%
CMY	0.6157, 0.1019, 0.8351
CMYK	0.57, 0.00, 0.82, 0.10
HSL	102°, 78%, 53%
HSV	102°, 82%, 90%
XYZ	33.4751, 58.8025, 11.7792
YIQ	168.5130, -18.0490, -85.9290

Conversions

Conversions Part 2

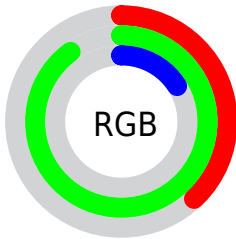
Format	Color
RYB	42, 229, 173
Decimal	6481194
CIELab	81.18, -65.79, 72.26
CIElCh	81, 97.724, 132.318
Yxy	58.8025, 0.3217, 0.5651
Android (android.graphics.Color)	4284671274 (0xFF62E52A)
YUV	168.5130, -62.3709, -61.8399
Hunter-Lab	76.6828, -56.2726, 44.5704

Details

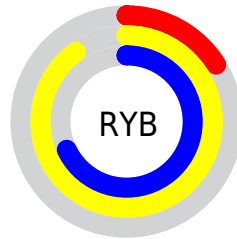
The Yxy color **58.8025, 0.3217, 0.5651** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **16.2052, 0.2598, 0.1307**, and the grayscale version is **39.7474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1170, 0.3330, 0.5034**, and **29.5115, 0.3001, 0.5999** is the 20% darker color. If you saturate the color by 10%, you get **57.8801, 0.3173, 0.5810**, and if you desaturate by 10%, it is **60.0024, 0.3248, 0.5425**.

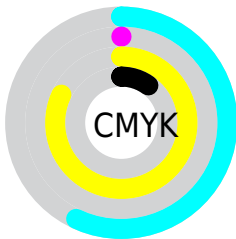
Distribution



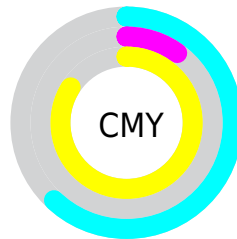
- Red (38%)
- Green (90%)
- Blue (16%)



- Red (16%)
- Yellow (90%)
- Blue (68%)



- Cyan (57%)
- Magenta (0%)
- Yellow (82%)
- Black (10%)




- Cyan (62%)
- Magenta (10%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.8025, 0.3217, 0.5651 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 58.8025, 0.3217, 0.5651 by changing the saturation by 10% instead.

 58.8025, 0.3217,
0.5651


 58.8025, 0.3217,
0.5651


420.1696, 0.3280,
0.4454


 42.4542, 0.3165,
0.5931


 103.0906, 0.3267,
0.5225


 29.4571, 0.3077,
0.6271


 131.7991, 0.3278,
0.5061


 19.4269, 0.2931,
0.6682


 165.3964, 0.3284,
0.4921

 11.9791, 0.2724,
0.7276

 204.2670, 0.3286,
0.4801

 6.7295, 0.2274,
0.7726

 248.7952, 0.3286,
0.4697

 3.2935, 0.1590,
0.8410

 299.3655, 0.3285,

 1.2868, 0.0000,

0.4606

1.0000

356.3621, 0.3282,
0.4525

■ 0.1310, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 58.8025, 0.3217,
0.5651

■ 58.8025, 0.3217,
0.5651

■ 57.8801, 0.3173,
0.5810


■ 60.0024, 0.3248,
0.5425


■ 57.2893, 0.3132,
0.5895


■ 61.4960, 0.3263,
0.5146


■ 63.3066, 0.3264,
0.4833

■ 65.4529, 0.3252,
0.4506

 67.9519, 0.3230,
0.4182

 70.8195, 0.3201,
0.3874

 74.0705, 0.3168,
0.3589

 77.7189, 0.3133,
0.3330

 81.7778, 0.3097,
0.3099

Harmonies

Analogous

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



58.8025, 0.4287, 0.5257



58.8025, 0.3217, 0.5651



58.8025, 0.2177, 0.4869

Triad

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



58.8025, 0.3217, 0.5651



58.8025, 0.1301, 0.1706



58.8025, 0.5041, 0.2865

Complementary

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



58.8025, 0.3217, 0.5651



16.2052, 0.2598, 0.1307

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.



58.8025, 0.3847, 0.2217



58.8025, 0.3217, 0.5651



58.8025, 0.1742, 0.1584

Square

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



58.8025, 0.3217, 0.5651



58.8025, 0.1202, 0.2232



58.8025, 0.2599, 0.1765



58.8025, 0.5519, 0.3602

Rectangle

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



58.8025, 0.3217, 0.5651



58.8025, 0.1651, 0.3851



58.8025, 0.2599, 0.1765



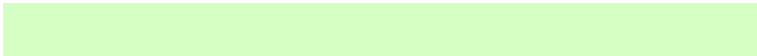
58.8025, 0.4695, 0.2635

Sweetspot

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



58.8050, 0.3217, 0.5651



89.4208, 0.3209, 0.3949



46.6807, 0.4626, 0.4531



18.8564, 0.3219, 0.4059



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.



58.8050, 0.3217, 0.5651



73.2324, 0.3139, 0.5880



57.1046, 0.2912, 0.5469



16.2972, 0.3161, 0.3530



32.8087, 0.3142, 0.5887



2.4715, 0.3251, 0.5801

Inverse Universe

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



16.2052, 0.2598, 0.1307



17.0579, 0.2465, 0.1137



22.1061, 0.3662, 0.1899



14.3873, 0.3090, 0.3055



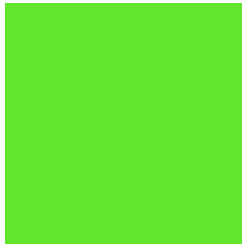
7.5998, 0.2466, 0.1132



0.6093, 0.2577, 0.1193

Previews

White Background



This preview shows how the Yxy color 58.8025, 0.3217, 0.5651 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 58.8025, 0.3217, 0.5651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

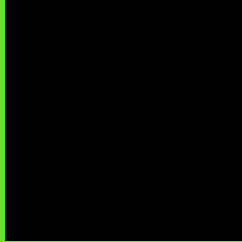
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

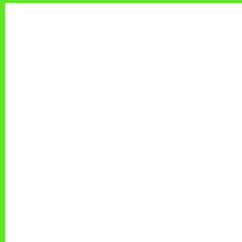
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.8025, 0.3217, 0.5651

Background



This preview shows how black text looks on a background with the Yxy color 58.8025, 0.3217, 0.5651.



This preview shows how white text looks on a background with the Yxy color 58.8025, 0.3217, 0.5651.

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

58.8025, 0.3217, 0.5651

Protanopia

57.8963, 0.4350, 0.4822

Deuteranopia

57.6839, 0.4567, 0.4460



Tritanopia

58.2882, 0.2518, 0.3074

Trichromacy



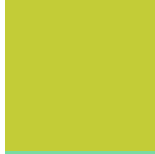
Original Color

58.8025, 0.3217, 0.5651



Protanomaly

56.3058, 0.3876, 0.5170



Deuteranomaly

55.0637, 0.4008, 0.4928



Tritanomaly

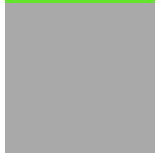
57.2647, 0.2828, 0.4090

Monochromacy



Original Color

58.8025, 0.3217, 0.5651



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

44.5313, 0.3236, 0.4297

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.8025, 0.3217, 0.5651 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(98, 229, 42)` looks like.

```
.text, #text, p{  
    color:rgb(98, 229, 42)  
}
```

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(98, 229, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 229, 42) }
```

Border

The CSS property to change the border of an element to Yxy 58.8025, 0.3217, 0.5651 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(98, 229, 42) }
```

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

```
.border{ border-color:rgb(98, 229, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 229, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 229, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 229, 42);  
box-shadow:4px 4px 4px 4px rgb(98, 229,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 58.8025, 0.3217, 0.5651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 229, 42) }
```

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

```
.background{ background-color: rgb(98, 229,  
42) }
```

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