

Converting Colors

$Y_{xy}(72.2149, 0.3159, 0.5821)$

Have a look what the booklet for
Yxy(72.2149, 0.3159, 0.5821)
contains.

Yxy(72.3832, 0.3160, 0.5822)	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(72.3832, 0.3160, 0.5822)

Conversions

Conversions Part 1

Format	Color
Hex	58FD16
RGB	88, 253, 22
RGB Percent	35%, 99%, 9%
CMY	0.6553, 0.0078, 0.9139
CMYK	0.65, 0.00, 0.91, 0.01
HSL	103°, 98%, 54%
HSV	103°, 91%, 99%
XYZ	39.2873, 72.3832, 12.6565
YIQ	177.3310, -24.1890, -106.8210

Conversions

Conversions Part 2

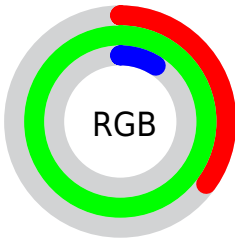
Format	Color
R _Y B	22, 253, 187
Decimal	5831958
CIE Lab	88.15, -76.48, 81.97
CIE LCh	88, 112.105, 133.016
Yxy	72.3832, 0.3160, 0.5822
Android (android.graphics.Color)	4284022038 (0xFF58FD16)
YUV	177.3310, -76.5782, -78.3433
Hunter-Lab	85.0783, -66.4596, 50.7347

Details

The Yxy color **72.3832, 0.3160, 0.5822** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark washed green. A complement of this color would be **18.2380, 0.2548, 0.1206**, and the grayscale version is **44.5556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5699, 0.3333, 0.5113**, and **39.0302, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **71.6444, 0.3118, 0.5906**, and if you desaturate by 10%, it is **73.5290, 0.3203, 0.5663**.

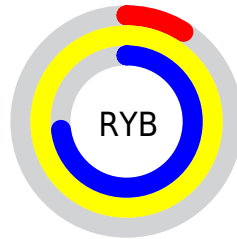
Distribution



Red (35%)

Green (99%)

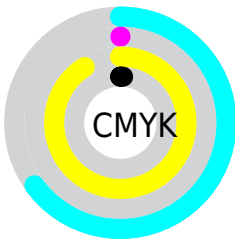
Blue (9%)



Red (9%)

Yellow (99%)

Blue (73%)

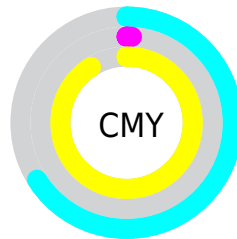


Cyan (65%)

Magenta (0%)

Yellow (91%)

Black (1%)



Cyan (66%)


Magenta (1%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3832, 0.3160, 0.5822 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 72.3832, 0.3160, 0.5822 by changing the saturation by 10% instead.


 72.3832, 0.3160,
0.5822


 72.3832, 0.3160,
0.5822


468.8743, 0.3268,
0.4583

 53.4718, 0.3097,
0.6097


 122.6012, 0.3227,
0.5393


 38.1795, 0.3001,
0.6423


 154.6765, 0.3245,
0.5225

 26.1220, 0.2849,
0.6808


 191.9086, 0.3256,
0.5079

 16.9150, 0.2638,
0.7330

 234.6819, 0.3262,
0.4953

 10.1739, 0.2241,
0.7759

 283.3807, 0.3266,
0.4843

 5.5144, 0.1690,
0.8310


 338.3894, 0.3268,

 2.5521, 0.0166,


0.4746


0.9834

400.0925, 0.3268,
0.4660


 0.9027, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 72.3832, 0.3160,
0.5822


 72.3832, 0.3160,
0.5822


 71.6444, 0.3118,
0.5906

 73.5290, 0.3203,
0.5663


 75.0235, 0.3234,
0.5436


 76.9012, 0.3251,
0.5154


 79.1892, 0.3253,
0.4837

 81.9122, 0.3243,
0.4506

 85.0925, 0.3223,
0.4180

 88.7510, 0.3196,
0.3869

 92.9071, 0.3165,
0.3582

 97.5791, 0.3132,
0.3322

Harmonies

Analogous

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



72.3832, 0.4285, 0.5364



72.3832, 0.3160, 0.5822



72.3832, 0.2081, 0.4964

Triad

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



72.3832, 0.3160, 0.5822



72.3832, 0.1223, 0.1615



72.3832, 0.5193, 0.2843

Complementary

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



72.3832, 0.3160, 0.5822



18.2380, 0.2548, 0.1206

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.



72.3832, 0.3923, 0.2171



72.3832, 0.3160, 0.5822



72.3832, 0.1684, 0.1504

Square

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



72.3832, 0.3160, 0.5822



72.3832, 0.1110, 0.2139



72.3832, 0.2588, 0.1698



72.3832, 0.5659, 0.3600

Rectangle

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



72.3832, 0.3160, 0.5822



72.3832, 0.1545, 0.3844



72.3832, 0.2588, 0.1698



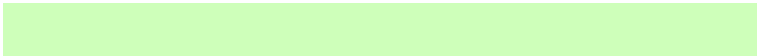
72.3832, 0.4829, 0.2605

Sweetspot

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



72.3863, 0.3160, 0.5822



88.1649, 0.3212, 0.4043



55.0976, 0.4764, 0.4547



18.6073, 0.3220, 0.4151



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.



72.3863, 0.3160, 0.5822



72.9279, 0.3118, 0.5907



70.8480, 0.2930, 0.5686



20.4191, 0.3159, 0.3533



38.1713, 0.3128, 0.5899



3.7691, 0.3208, 0.5835

Inverse Universe

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



18.2380, 0.2548, 0.1206



17.1919, 0.2484, 0.1142



25.9525, 0.3739, 0.1865



18.0246, 0.3092, 0.3052



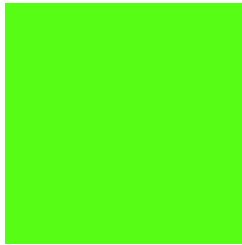
9.0627, 0.2496, 0.1149



0.9379, 0.2580, 0.1195

Previews

White Background



This preview shows how the Yxy color 72.3832, 0.3160, 0.5822 looks on a white background.

Color Contrast Check

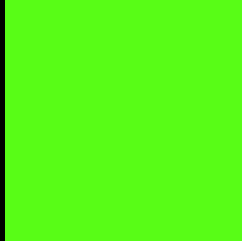
Large Text (above 18pt) WCAG AA × Fail

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 72.3832, 0.3160, 0.5822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

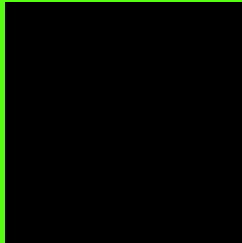
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.3832, 0.3160, 0.5822

Background



This preview shows how black text looks on a background with the Yxy color 72.3832, 0.3160, 0.5822.



This preview shows how white text looks on a background with the Yxy color 72.3832, 0.3160, 0.5822.

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

72.3832, 0.3160, 0.5822

Protanopia

70.9606, 0.4403, 0.4886

Deuteranopia

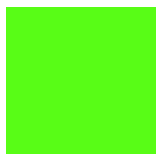
70.4851, 0.3928, 0.3948



Tritanopia

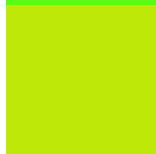
71.6408, 0.2458, 0.3066

Trichromacy



Original Color

72.3832, 0.3160, 0.5822



Protanomaly

68.5496, 0.3859, 0.5303



Deuteranomaly

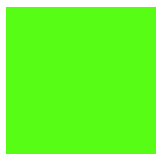
67.3668, 0.3662, 0.4734



Tritanomaly

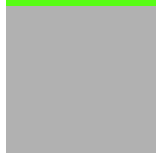
70.1884, 0.2797, 0.4237

Monochromacy



Original Color

72.3832, 0.3160, 0.5822



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

51.0629, 0.3242, 0.4478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3832, 0.3160, 0.5822 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(88, 253, 22)` looks like.

```
.text, #text, p{  
    color:rgb(88, 253, 22)  
}
```

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(88, 253, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 253, 22) }
```

Border

The CSS property to change the border of an element to Yxy 72.3832, 0.3160, 0.5822 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(88, 253, 22) }
```

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

```
.border{ border-color:rgb(88, 253, 22) }
```

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

Here you see how a box with a 4 pixel rgb(88, 253, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 253, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 253, 22);  
box-shadow:4px 4px 4px 4px rgb(88, 253,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 72.3832, 0.3160, 0.5822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 253, 22) }
```

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

```
.background{ background-color: rgb(88, 253,  
22) }
```

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