

Converting Colors

Yxy(51.3572, 0.3094, 0.5844)

Have a look what the booklet for
Yxy(51.3572, 0.3094, 0.5844)
contains.

Yxy(51.1694, 0.3094, 0.5842)	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(51.1694, 0.3094, 0.5842)

Conversions

Conversions Part 1

Format	Color
Hex	3CDA18
RGB	60, 218, 24
RGB Percent	24%, 85%, 9%
CMY	0.7648, 0.1451, 0.9053
CMYK	0.72, 0.00, 0.89, 0.15
HSL	109°, 80%, 47%
HSV	109°, 89%, 85%
XYZ	27.1000, 51.1694, 9.3195
YIQ	148.6420, -31.8940, -93.8300

Conversions

Conversions Part 2

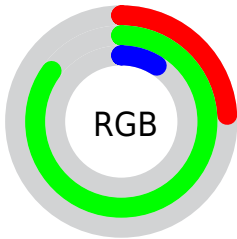
Format	Color
RYB	24, 218, 182
Decimal	3987992
CIELab	76.78, -70.83, 71.83
CIELCh	77, 100.878, 134.600
Yxy	51.1694, 0.3094, 0.5842
Android (android.graphics.Color)	4282178072 (0xFF3CDA18)
YUV	148.6420, -61.4485, -77.7390
Hunter-Lab	71.5328, -57.5582, 42.3485

Details

The Yxy color **51.1694, 0.3094, 0.5842** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **15.6863, 0.2794, 0.1356**, and the grayscale version is **30.1751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1180, 0.3207, 0.5257**, and **25.4897, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **50.6468, 0.3059, 0.5947**, and if you desaturate by 10%, it is **51.9509, 0.3127, 0.5663**.

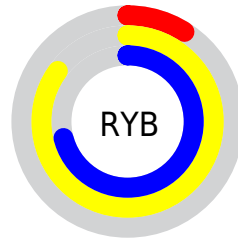
Distribution



Red (24%)

Green (85%)

Blue (9%)



Red (9%)

Yellow (85%)

Blue (71%)

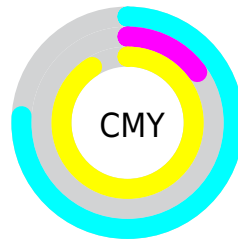


Cyan (72%)

Magenta (0%)

Yellow (89%)

Black (15%)



Cyan (76%)


Magenta (15%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.1694, 0.3094, 0.5842 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 51.1694, 0.3094, 0.5842 by changing the saturation by 10% instead.

 51.1694, 0.3094,
0.5842

 51.1694, 0.3094,
0.5842

391.2216, 0.3231,
0.4509


 36.3434, 0.3016,
0.6162


 91.9051, 0.3176,
0.5360


 24.6996, 0.2890,
0.6552


 118.5837, 0.3197,
0.5177


 15.8534, 0.2691,
0.7035


 149.9819, 0.3211,
0.5022

 9.4204, 0.2369,
0.7631

 186.4842, 0.3220,
0.4889

 5.0164, 0.1817,
0.8183

 228.4749, 0.3225,
0.4774

 2.2569, 0.0160,
0.9840

 276.3384, 0.3229,


 0.7508, 0.0000,


0.4675


1.0000


330.4592, 0.3230,
0.4587


 0.0000, 0.0000,
0.0000


 51.1694, 0.3094,
0.5842


 51.1694, 0.3094,
0.5842


 50.6468, 0.3059,
0.5947


 51.9509, 0.3127,
0.5663


 50.6021, 0.3055,
0.5956

 53.0201, 0.3153,
0.5414

 54.4054, 0.3170,
0.5111


 56.1304, 0.3178,
0.4778

 58.2161, 0.3177,
0.4438

 60.6818, 0.3170,
0.4107

 63.5454, 0.3158,
0.3798

 66.8237, 0.3142,
0.3516

 70.5325, 0.3125,
0.3264

Harmonies

Analogous

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



51.1694, 0.4230, 0.5420



51.1694, 0.3094, 0.5842



51.1694, 0.2019, 0.4901

Triad

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



51.1694, 0.3094, 0.5842



51.1694, 0.1226, 0.1588



51.1694, 0.5262, 0.2875

Complementary

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



51.1694, 0.3094, 0.5842



15.6863, 0.2794, 0.1356

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.



51.1694, 0.4006, 0.2194



51.1694, 0.3094, 0.5842



51.1694, 0.1709, 0.1495

Square

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



51.1694, 0.3094, 0.5842



51.1694, 0.1095, 0.2086



51.1694, 0.2644, 0.1706



51.1694, 0.5676, 0.3638

Rectangle

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



51.1694, 0.3094, 0.5842



51.1694, 0.1498, 0.3758



51.1694, 0.2644, 0.1706



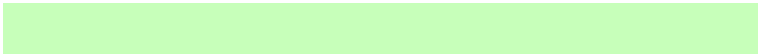
51.1694, 0.4909, 0.2635

Sweetspot

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



51.1715, 0.3094, 0.5842



87.1971, 0.3168, 0.4053



47.3057, 0.4517, 0.4722



18.3840, 0.3172, 0.4164



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.



51.1715, 0.3094, 0.5842



72.1277, 0.3052, 0.5959



50.9546, 0.2859, 0.5398



14.7214, 0.3143, 0.3530



30.3488, 0.3062, 0.5951



2.0009, 0.3166, 0.5869

Inverse Universe

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



15.6863, 0.2794, 0.1356



20.6092, 0.2736, 0.1281



18.0978, 0.4021, 0.2045



13.1468, 0.3109, 0.3058



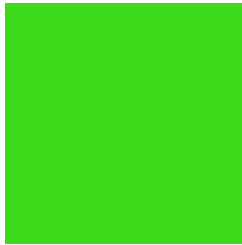
8.7254, 0.2747, 0.1287



0.5975, 0.2827, 0.1331

Previews

White Background



This preview shows how the Yxy color 51.1694, 0.3094, 0.5842 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 51.1694, 0.3094, 0.5842 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 51.1694, 0.3094, 0.5842

Background



This preview shows how black text looks on a background with the Yxy color 51.1694, 0.3094, 0.5842.



This preview shows how white text looks on a background with the Yxy color 51.1694, 0.3094, 0.5842.

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

51.1694, 0.3094, 0.5842

Protanopia

49.9877, 0.4398, 0.4864

Deuteranopia

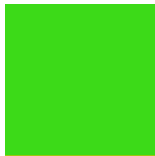
49.9127, 0.4601, 0.4493



Tritanopia

50.8905, 0.2419, 0.3071

Trichromacy



Original Color

51.1694, 0.3094, 0.5842



Protanomaly

48.0524, 0.3807, 0.5314



Deuteranomaly

47.0707, 0.3931, 0.5071



Tritanomaly

49.3737, 0.2731, 0.4211

Monochromacy



Original Color

51.1694, 0.3094, 0.5842



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

35.0535, 0.3178, 0.4461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1694, 0.3094, 0.5842 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(60, 218, 24)` looks like.

```
.text, #text, p{  
    color:rgb(60, 218, 24)  
}
```

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(60, 218, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 218, 24) }
```

Border

The CSS property to change the border of an element to Yxy 51.1694, 0.3094, 0.5842 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(60, 218, 24) }
```

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

```
.border{ border-color:rgb(60, 218, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 218, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 218, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 218, 24);  
box-shadow:4px 4px 4px 4px rgb(60, 218,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1694, 0.3094, 0.5842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 218, 24) }
```

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

```
.background{ background-color: rgb(60, 218,  
24) }
```

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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