

Converting Colors

Yxy(52.0834, 0.3199, 0.5678)

Have a look what the booklet for
Yxy(52.0834, 0.3199, 0.5678)
contains.

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Color

Yxy(51.8895, 0.3201, 0.5672)

Conversions

Conversions Part 1

Format	Color
Hex	59D926
RGB	89, 217, 38
RGB Percent	35%, 85%, 15%
CMY	0.6509, 0.1490, 0.8507
CMYK	0.59, 0.00, 0.82, 0.15
HSL	103°, 70%, 50%
HSV	103°, 82%, 85%
XYZ	29.2839, 51.8895, 10.3102
YIQ	158.3220, -18.8290, -82.8050

Conversions

Conversions Part 2

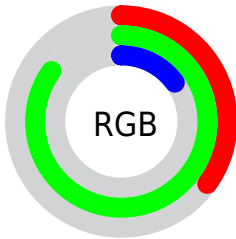
Format	Color
RYB	38, 217, 166
Decimal	5888294
CIELab	77.21, -64.09, 69.56
CIELCh	77, 94.578, 132.656
Yxy	51.8895, 0.3201, 0.5672
Android (android.graphics.Color)	4284078374 (0xFF59D926)
YUV	158.3220, -59.3187, -60.7954
Hunter-Lab	72.0344, -53.4951, 41.9379

Details

The Yxy color **51.8895, 0.3201, 0.5672** 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 **14.5125, 0.2623, 0.1315**, and the grayscale version is **34.6324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1155, 0.3296, 0.5112**, and **25.4897, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **51.1011, 0.3158, 0.5827**, and if you desaturate by 10%, it is **52.9257, 0.3232, 0.5449**.

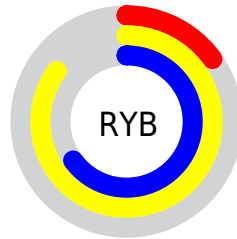
Distribution



Red (35%)

Green (85%)

Blue (15%)



Red (15%)

Yellow (85%)

Blue (65%)

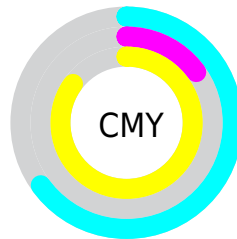


Cyan (59%)

Magenta (0%)

Yellow (82%)

Black (15%)



Cyan (65%)


Magenta (15%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 51.8895, 0.3201, 0.5672 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 51.8895, 0.3201, 0.5672 by changing the saturation by 10% instead.


 51.8895, 0.3201,
0.5672

 51.8895, 0.3201,
0.5672


 394.0099, 0.3272,
0.4437

 36.9170, 0.3143,
0.5968


 92.9683, 0.3256,
0.5226


 25.1432, 0.3045,
0.6331


 119.8433, 0.3268,
0.5057


 16.1838, 0.2880,
0.6773


 151.4547, 0.3274,
0.4913

 9.6543, 0.2624,
0.7376

 188.1867, 0.3277,
0.4790

 5.1704, 0.2115,
0.7885

 230.4239, 0.3277,
0.4684

 2.3476, 0.0952,
0.9048

 278.5505, 0.3276,

 0.7987, 0.0000,

0.4591

1.0000

332.9511, 0.3274,
0.4509

■ 0.0000, 0.0000,
0.0000

■ 51.8895, 0.3201,
0.5672

■ 51.8895, 0.3201,
0.5672

■ 51.1011, 0.3158,
0.5827

■ 52.9257, 0.3232,
0.5449

■ 50.6443, 0.3122,
0.5903

■ 54.2249, 0.3250,
0.5172

■ 55.8082, 0.3253,
0.4860

■ 57.6926, 0.3243,
0.4532

■ 59.8937, 0.3224,
0.4207

■ 62.4259, 0.3198,
0.3897

■ 65.3027, 0.3168,
0.3610

■ 68.5368, 0.3135,
0.3350

■ 72.1402, 0.3102,
0.3117

Harmonies

Analogous

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



51.8895, 0.4279, 0.5277



51.8895, 0.3201, 0.5672



51.8895, 0.2157, 0.4870

Triad

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



51.8895, 0.3201, 0.5672



51.8895, 0.1293, 0.1692



51.8895, 0.5068, 0.2868

Complementary

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



51.8895, 0.3201, 0.5672



14.5125, 0.2623, 0.1315

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.



51.8895, 0.3868, 0.2215



51.8895, 0.3201, 0.5672



51.8895, 0.1740, 0.1574

Square

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



51.8895, 0.3201, 0.5672



51.8895, 0.1190, 0.2214



51.8895, 0.2607, 0.1759



51.8895, 0.5537, 0.3609

Rectangle

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



51.8895, 0.3201, 0.5672



51.8895, 0.1632, 0.3838



51.8895, 0.2607, 0.1759



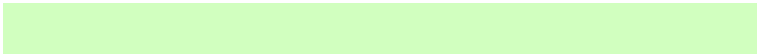
51.8895, 0.4722, 0.2636

Sweetspot

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



51.8917, 0.3201, 0.5672



88.9066, 0.3206, 0.3981



41.2004, 0.4634, 0.4533



18.7511, 0.3215, 0.4091



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.



51.8917, 0.3201, 0.5672



72.9986, 0.3122, 0.5899



50.5326, 0.2913, 0.5483



14.7848, 0.3158, 0.3529



30.7030, 0.3131, 0.5896



2.0323, 0.3253, 0.5799

Inverse Universe

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



14.5125, 0.2623, 0.1315



17.3573, 0.2493, 0.1150



19.4871, 0.3666, 0.1896



13.0789, 0.3093, 0.3056



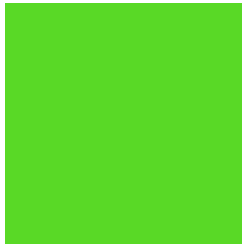
7.3198, 0.2502, 0.1152



0.5170, 0.2621, 0.1218

Previews

White Background



This preview shows how the Yxy color 51.8895, 0.3201, 0.5672 looks on a white background.

Color Contrast Check

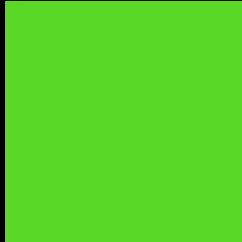
Large Text (above 18pt) WCAG AA × Fail

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 51.8895, 0.3201, 0.5672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

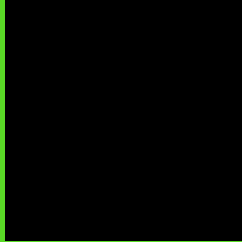
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

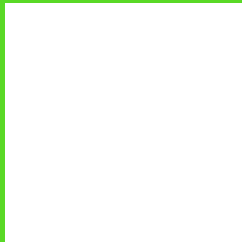
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.8895, 0.3201, 0.5672

Background



This preview shows how black text looks on a background with the Yxy color 51.8895, 0.3201, 0.5672.



This preview shows how white text looks on a background with the Yxy color 51.8895, 0.3201, 0.5672.

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

51.8895, 0.3201, 0.5672

Protanopia

51.0720, 0.4353, 0.4823

Deuteranopia

50.9525, 0.4560, 0.4467



Tritanopia

51.5140, 0.2504, 0.3075

Trichromacy



Original Color

51.8895, 0.3201, 0.5672



Protanomaly

49.7489, 0.3864, 0.5182



Deuteranomaly

48.4462, 0.3997, 0.4941



Tritanomaly

50.3051, 0.2816, 0.4092

Monochromacy



Original Color

51.8895, 0.3201, 0.5672



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

38.4416, 0.3236, 0.4315

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8895, 0.3201, 0.5672 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(89, 217, 38)` looks like.

```
.text, #text, p{  
    color:rgb(89, 217, 38)  
}
```

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(89, 217, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 217, 38) }
```

Border

The CSS property to change the border of an element to Yxy 51.8895, 0.3201, 0.5672 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(89, 217, 38) }
```

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

```
.border{ border-color:rgb(89, 217, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 217, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 217, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 217, 38);  
box-shadow:4px 4px 4px 4px rgb(89, 217,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8895, 0.3201, 0.5672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 217, 38) }
```

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

```
.background{ background-color: rgb(89, 217,  
38) }
```

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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