

Converting Colors

$Y_{xy}(52.9820, 0.3172, 0.5613)$

Have a look what the booklet for
Yxy(52.9820, 0.3172, 0.5613)
contains.

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Color

Yxy(52.9511, 0.3170, 0.5616)

Conversions

Conversions Part 1

Format	Color
Hex	58DB30
RGB	88, 219, 48
RGB Percent	35%, 86%, 19%
CMY	0.6550, 0.1412, 0.8116
CMYK	0.60, 0.00, 0.78, 0.14
HSL	106°, 70%, 52%
HSV	106°, 78%, 86%
XYZ	29.8887, 52.9511, 11.4463
YIQ	160.3370, -23.1850, -80.9530

Conversions

Conversions Part 2

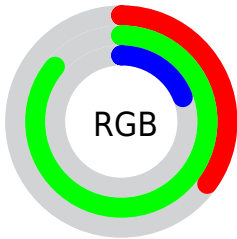
Format	Color
R _Y B	48, 219, 179
Decimal	5823280
CIE Lab	77.85, -64.50, 67.41
CIE LCh	78, 93.298, 133.734
Yxy	52.9511, 0.3170, 0.5616
Android (android.graphics.Color)	4284013360 (0xFF58DB30)
YUV	160.3370, -55.3821, -63.4395
Hunter-Lab	72.7675, -54.0256, 41.6109

Details

The Yxy color **52.9511, 0.3170, 0.5616** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark muted green. A complement of this color would be **16.8259, 0.2754, 0.1428**, and the grayscale version is **35.5874, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1608, 0.3263, 0.5048**, and **26.1944, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **52.0880, 0.3134, 0.5802**, and if you desaturate by 10%, it is **54.0964, 0.3196, 0.5363**.

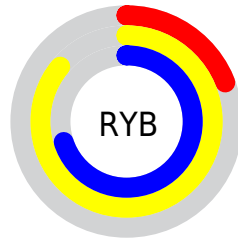
Distribution



Red (35%)

Green (86%)

Blue (19%)



Red (19%)

Yellow (86%)

Blue (70%)

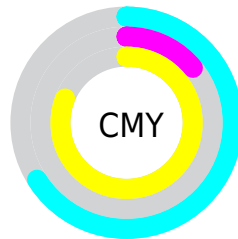


Cyan (60%)

Magenta (0%)

Yellow (78%)

Black (14%)



Cyan (66%)


Magenta (14%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.9511, 0.3170, 0.5616 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 52.9511, 0.3170, 0.5616 by changing the saturation by 10% instead.

 52.9511, 0.3170,
0.5616


 52.9511, 0.3170,
0.5616


398.0975, 0.3248,
0.4409

 37.7637, 0.3114,
0.5908


 94.5324, 0.3225,
0.5179

 25.7994, 0.3020,
0.6268


 121.6951, 0.3238,
0.5013


 16.6736, 0.2863,
0.6711


 153.6185, 0.3245,
0.4873

 10.0021, 0.2636,
0.7364

 190.6867, 0.3249,
0.4753

 5.4003, 0.2136,
0.7864

 233.2844, 0.3251,
0.4649

 2.4840, 0.1088,
0.8912

 281.7958, 0.3251,


 0.8686, 0.0000,


0.4559


1.0000

336.6054, 0.3250,
0.4479


 0.0000, 0.0000,
0.0000

 52.9511, 0.3170,
0.5616


 52.9511, 0.3170,
0.5616


 52.0880, 0.3134,
0.5802


 54.0964, 0.3196,
0.5363

 51.4708, 0.3092,
0.5916


 55.5408, 0.3210,
0.5062


 51.3736, 0.3084,
0.5933


 57.3070, 0.3213,
0.4734

 59.4141, 0.3206,
0.4399

 61.8792, 0.3191,
0.4074

 64.7184, 0.3171,
0.3770

 67.9468, 0.3147,
0.3493

 71.5785, 0.3122,
0.3244

 75.6272, 0.3097,
0.3024

Harmonies

Analogous

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



52.9511, 0.4235, 0.5276



52.9511, 0.3170, 0.5616



52.9511, 0.2146, 0.4784

Triad

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



52.9511, 0.3170, 0.5616



52.9511, 0.1327, 0.1706



52.9511, 0.5063, 0.2904

Complementary

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



52.9511, 0.3170, 0.5616



16.8259, 0.2754, 0.1428

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.



52.9511, 0.3902, 0.2253



52.9511, 0.3170, 0.5616



52.9511, 0.1785, 0.1600

Square

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



52.9511, 0.3170, 0.5616



52.9511, 0.1215, 0.2208



52.9511, 0.2656, 0.1793



52.9511, 0.5496, 0.3642

Rectangle

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



52.9511, 0.3170, 0.5616



52.9511, 0.1637, 0.3774



52.9511, 0.2656, 0.1793



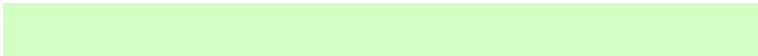
52.9511, 0.4731, 0.2674

Sweetspot

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



52.9533, 0.3170, 0.5616



89.2302, 0.3181, 0.3923



46.4302, 0.4482, 0.4591



18.7946, 0.3189, 0.4036



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.



52.9533, 0.3170, 0.5616



72.9057, 0.3105, 0.5885



52.0472, 0.2876, 0.5264



14.7522, 0.3151, 0.3529



30.5019, 0.3092, 0.5927



2.0154, 0.3207, 0.5836

Inverse Universe

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



16.8259, 0.2754, 0.1428



19.7146, 0.2649, 0.1250



20.3242, 0.3754, 0.2001



13.1136, 0.3101, 0.3057



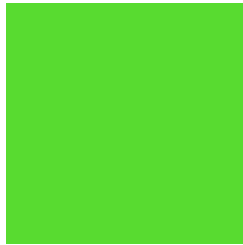
8.0112, 0.2627, 0.1221



0.5569, 0.2726, 0.1275

Previews

White Background



This preview shows how the Yxy color 52.9511, 0.3170, 0.5616 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 52.9511, 0.3170, 0.5616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

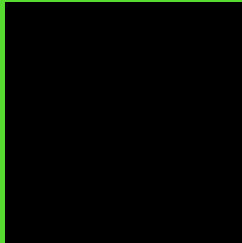
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.9511, 0.3170, 0.5616

Background



This preview shows how black text looks on a background with the Yxy color 52.9511, 0.3170, 0.5616.



This preview shows how white text looks on a background with the Yxy color 52.9511, 0.3170, 0.5616.

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

52.9511, 0.3170, 0.5616

Protanopia

51.8688, 0.4335, 0.4778

Deuteranopia

51.7801, 0.4534, 0.4424



Tritanopia

52.5438, 0.2488, 0.3064

Trichromacy



Original Color

52.9511, 0.3170, 0.5616



Protanomaly

50.3902, 0.3839, 0.5131



Deuteranomaly

49.5363, 0.3960, 0.4895



Tritanomaly

51.3845, 0.2783, 0.4040

Monochromacy



Original Color

52.9511, 0.3170, 0.5616



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

39.4480, 0.3205, 0.4258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9511, 0.3170, 0.5616 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, 219, 48)` looks like.

```
.text, #text, p{  
    color:rgb(88, 219, 48)  
}
```

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, 219, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 219, 48) }
```

Border

The CSS property to change the border of an element to Yxy 52.9511, 0.3170, 0.5616 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, 219, 48) }
```

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

```
.border{ border-color:rgb(88, 219, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 219, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 219, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 219, 48);  
box-shadow:4px 4px 4px 4px rgb(88, 219,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 52.9511, 0.3170, 0.5616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 219, 48) }
```

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

```
.background{ background-color: rgb(88, 219,  
48) }
```

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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