

Converting Colors

$Y_{xy}(51.1950, 0.2910, 0.5053)$

Have a look what the booklet for
Yxy(51.1950, 0.2910, 0.5053)
contains.

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Color

Yxy(51.4290, 0.2909, 0.5058)

Conversions

Conversions Part 1

Format	Color
Hex	48D865
RGB	72, 216, 101
RGB Percent	28%, 85%, 40%
CMY	0.7175, 0.1529, 0.6040
CMYK	0.67, 0.00, 0.53, 0.15
HSL	132°, 65%, 56%
HSV	132°, 67%, 85%
XYZ	29.5783, 51.4290, 20.6712
YIQ	159.8340, -48.9090, -66.2930

Conversions

Conversions Part 2

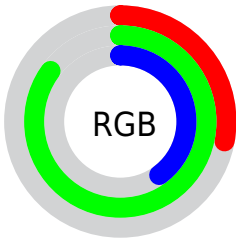
Format	Color
RYB	72, 192, 216
Decimal	4773989
CIELab	76.94, -61.77, 45.29
CIELCh	77, 76.592, 143.749
Yxy	51.4290, 0.2909, 0.5058
Android (android.graphics.Color)	4282964069 (0xFF48D865)
YUV	159.8340, -29.0052, -77.0304
Hunter-Lab	71.7140, -51.8776, 33.1097

Details

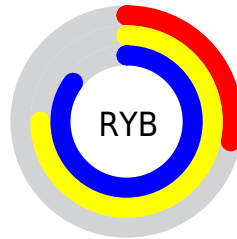
The Yxy color **51.4290, 0.2909, 0.5058** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **22.8305, 0.3543, 0.2042**, and the grayscale version is **35.2312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0873, 0.2975, 0.4547**, and **25.3634, 0.2878, 0.5562** is the 20% darker color. If you saturate the color by 10%, you get **50.4377, 0.2907, 0.5335**, and if you desaturate by 10%, it is **52.7871, 0.2923, 0.4760**.

Distribution



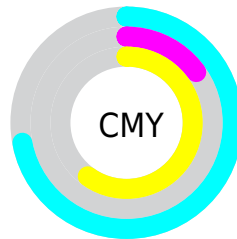
- Red (28%)
- Green (85%)
- Blue (40%)



- Red (28%)
- Yellow (75%)
- Blue (85%)



- Cyan (67%)
- Magenta (0%)
- Yellow (53%)
- Black (15%)





- Cyan (72%)
- Magenta (15%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4290, 0.2909, 0.5058 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 51.4290, 0.2909, 0.5058 by changing the saturation by 10% instead.


 51.4290, 0.2909,
0.5058


 51.4290, 0.2909,
0.5058

392.2282, 0.3065,
0.4119


 36.5501, 0.2854,
0.5304

 92.2886, 0.2978,
0.4706


 24.8594, 0.2773,
0.5623


 119.0381, 0.3000,
0.4577

 15.9723, 0.2649,
0.6049


 150.5133, 0.3017,
0.4469

 9.5046, 0.2445,
0.6632

 187.0986, 0.3031,
0.4378

 5.0717, 0.2167,
0.7710

229.1783, 0.3042,
0.4299

 2.2894, 0.1071,
0.8929

277.1369, 0.3051,

 0.7681, 0.0000,

0.4231

1.0000

331.3588, 0.3058,
0.4171

■ 0.0000, 0.0000,
0.0000

■ 51.4290, 0.2909,
0.5058

■ 51.4290, 0.2909,
0.5058

■ 50.4377, 0.2907,
0.5335

■ 52.7871, 0.2923,
0.4760

■ 49.7704, 0.2918,
0.5574

■ 54.5372, 0.2948,
0.4458

■ 49.3829, 0.2940,
0.5761


■ 56.7095, 0.2981,
0.4166


■ 49.2902, 0.2948,
0.5812


■ 59.3296, 0.3019,
0.3893

■ 62.4207, 0.3059,
0.3645

 66.0048, 0.3100,
0.3423

 70.1022, 0.3141,
0.3227

 74.7321, 0.3180,
0.3056

 77.5928, 0.3145,
0.2910

Harmonies

Analogous

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



51.4290, 0.3850, 0.5152



51.4290, 0.2909, 0.5058



51.4290, 0.2076, 0.4111

Triad

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



51.4290, 0.2909, 0.5058



51.4290, 0.1656, 0.1856



51.4290, 0.4950, 0.3210

Complementary

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



51.4290, 0.2909, 0.5058



22.8305, 0.3543, 0.2042

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.



51.4290, 0.4140, 0.2584



51.4290, 0.2909, 0.5058



51.4290, 0.2190, 0.1844

Square

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



51.4290, 0.2909, 0.5058



51.4290, 0.1455, 0.2194



51.4290, 0.3071, 0.2101



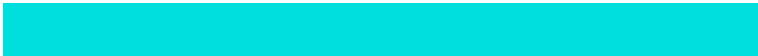
51.4290, 0.5113, 0.3901

Rectangle

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



51.4290, 0.2909, 0.5058



51.4290, 0.1701, 0.3315



51.4290, 0.3071, 0.2101



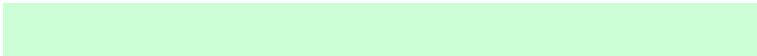
51.4290, 0.4740, 0.2992

Sweetspot

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



51.4311, 0.2909, 0.5058



89.2251, 0.3044, 0.3730



60.1725, 0.3800, 0.4942



18.8244, 0.3033, 0.3800



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.



51.4311, 0.2909, 0.5058



72.9964, 0.2910, 0.5439



53.5021, 0.2552, 0.3928



13.9364, 0.3089, 0.3482



29.1866, 0.2942, 0.5790



1.7724, 0.2853, 0.5470

Inverse Universe

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



22.8305, 0.3543, 0.2042



28.4831, 0.3655, 0.1908



20.4826, 0.4642, 0.2818



12.5879, 0.3168, 0.3106



10.4335, 0.3790, 0.1861



0.6404, 0.3671, 0.1796

Previews

White Background



This preview shows how the Yxy color 51.4290, 0.2909, 0.5058 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 51.4290, 0.2909, 0.5058 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 51.4290, 0.2909, 0.5058

Background



This preview shows how black text looks on a background with the Yxy color 51.4290, 0.2909, 0.5058.



This preview shows how white text looks on a background with the Yxy color 51.4290, 0.2909, 0.5058.

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

51.4290, 0.2909, 0.5058

Protanopia

50.5778, 0.4041, 0.4430

Deuteranopia

50.4263, 0.4161, 0.4078



Tritanopia

51.0050, 0.2419, 0.3058

Trichromacy



Original Color

51.4290, 0.2909, 0.5058



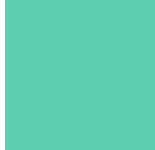
Protanomaly

49.0440, 0.3531, 0.4707



Deuteranomaly

47.9721, 0.3592, 0.4449



Tritanomaly

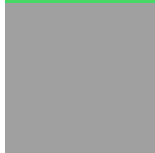
50.6658, 0.2595, 0.3745

Monochromacy



Original Color

51.4290, 0.2909, 0.5058



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

39.0958, 0.3007, 0.3934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4290, 0.2909, 0.5058 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(72, 216, 101)` looks like.

```
.text, #text, p{  
    color:rgb(72, 216, 101)  
}
```

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(72, 216, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 216, 101) }
```

Border

The CSS property to change the border of an element to Yxy 51.4290, 0.2909, 0.5058 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(72, 216, 101) }
```

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

```
.border{ border-color:rgb(72, 216, 101) }
```

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

Here you see how a box with a 4 pixel rgb(72, 216, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 216, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 216, 101);  
box-shadow:4px 4px 4px 4px rgb(72, 216,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4290, 0.2909, 0.5058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 216, 101) }
```

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

```
.background{ background-color: rgb(72, 216,  
101) }
```

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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