

Converting Colors

Yxy(51.0234, 0.2990, 0.5050)

Have a look what the booklet for
Yxy(51.0234, 0.2990, 0.5050)
contains.

Yxy(51.0012, 0.2989, 0.5050)	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(51.0012, 0.2989, 0.5050)

Conversions

Conversions Part 1

Format	Color
Hex	57D662
RGB	87, 214, 98
RGB Percent	34%, 84%, 38%
CMY	0.6585, 0.1608, 0.6157
CMYK	0.59, 0.00, 0.54, 0.16
HSL	125°, 61%, 59%
HSV	125°, 59%, 84%
XYZ	30.1867, 51.0012, 19.8046
YIQ	162.8030, -38.4560, -63.0000

Conversions

Conversions Part 2

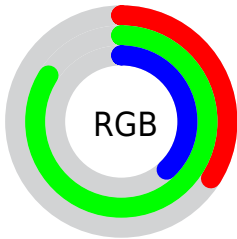
Format	Color
RYB	87, 204, 214
Decimal	5756514
CIELab	76.68, -58.34, 46.47
CIELCh	77, 74.592, 141.461
Yxy	51.0012, 0.2989, 0.5050
Android (android.graphics.Color)	4283946594 (0xFF57D662)
YUV	162.8030, -31.9479, -66.4792
Hunter-Lab	71.4151, -49.5258, 33.5485

Details

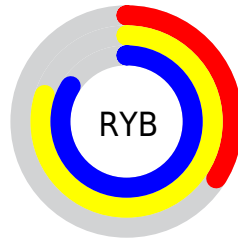
The Yxy color **51.0012, 0.2989, 0.5050** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **25.4414, 0.3312, 0.2009**, and the grayscale version is **36.7054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0503, 0.3052, 0.4561**, and **24.6510, 0.2888, 0.5597** is the 20% darker color. If you saturate the color by 10%, you get **49.7950, 0.2978, 0.5360**, and if you desaturate by 10%, it is **52.6072, 0.3007, 0.4717**.

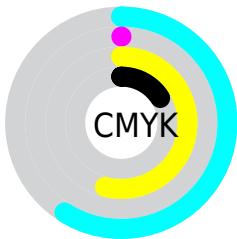
Distribution



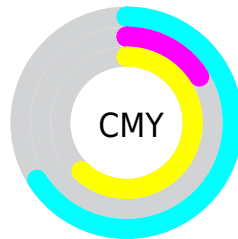
- Red (34%)
- Green (84%)
- Blue (38%)



- Red (34%)
- Yellow (80%)
- Blue (84%)



- Cyan (59%)
- Magenta (0%)
- Yellow (54%)
- Black (16%)



- Cyan (66%)
- Magenta (16%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0012, 0.2989, 0.5050 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 51.0012, 0.2989, 0.5050 by changing the saturation by 10% instead.


 51.0012, 0.2989,
0.5050


 51.0012, 0.2989,
0.5050

390.5684, 0.3106,
0.4117

 36.2096, 0.2942,
0.5293


 91.6565, 0.3044,
0.4702

 24.5961, 0.2872,
0.5608


 118.2890, 0.3061,
0.4573

 15.7764, 0.2760,
0.6025


 149.6373, 0.3074,
0.4466

 9.3661, 0.2571,
0.6593

 186.0857, 0.3083,
0.4375

 4.9807, 0.2323,
0.7677

228.0186, 0.3091,
0.4297

 2.2359, 0.1289,
0.8711

275.8204, 0.3097,

 0.7395, 0.0000,

0.4229

1.0000

329.8756, 0.3102,
0.4169

■ 0.0000, 0.0000,
0.0000

■ 51.0012, 0.2989,
0.5050

■ 51.0012, 0.2989,
0.5050

■ 49.7950, 0.2978,
0.5360

■ 52.6072, 0.3007,
0.4717

■ 48.9477, 0.2974,
0.5624

■ 54.6372, 0.3029,
0.4383

■ 48.4208, 0.2978,
0.5822

■ 57.1208, 0.3054,
0.4064

■ 48.1507, 0.2986,
0.5944

■ 60.0831, 0.3079,
0.3770

■ 48.1365, 0.2986,
0.5950

■ 63.5475, 0.3104,
0.3507

■ 67.5358, 0.3129,
0.3275

■ 72.0685, 0.3152,
0.3073

■ 76.5377, 0.3149,
0.2895

■ 76.5715, 0.3146,
0.2891

Harmonies

Analogous

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



51.0012, 0.3911, 0.5087



51.0012, 0.2989, 0.5050



51.0012, 0.2153, 0.4179

Triad

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



51.0012, 0.2989, 0.5050



51.0012, 0.1657, 0.1896



51.0012, 0.4867, 0.3167

Complementary

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



51.0012, 0.2989, 0.5050



25.4414, 0.3312, 0.2009

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.



51.0012, 0.4040, 0.2557



51.0012, 0.2989, 0.5050



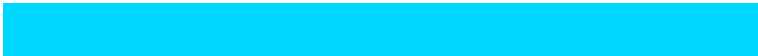
51.0012, 0.2157, 0.1861

Square

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



51.0012, 0.2989, 0.5050



51.0012, 0.1482, 0.2259



51.0012, 0.2998, 0.2095



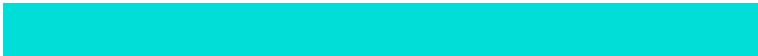
51.0012, 0.5084, 0.3845

Rectangle

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



51.0012, 0.2989, 0.5050



51.0012, 0.1764, 0.3402



51.0012, 0.2998, 0.2095



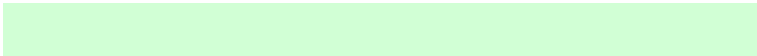
51.0012, 0.4646, 0.2953

Sweetspot

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



51.0033, 0.2989, 0.5050



89.8962, 0.3082, 0.3739



61.5366, 0.3877, 0.4723



18.9428, 0.3074, 0.3821



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.



51.0033, 0.2989, 0.5050



73.7037, 0.2976, 0.5429



52.6990, 0.2663, 0.4077



13.9131, 0.3104, 0.3510



29.1028, 0.2983, 0.5938



1.7615, 0.2933, 0.5760

Inverse Universe

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



25.4414, 0.3312, 0.2009



32.4090, 0.3354, 0.1832



23.0176, 0.4160, 0.2669



12.6134, 0.3151, 0.3080



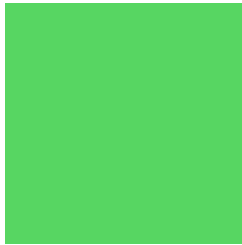
11.0471, 0.3436, 0.1667



0.6718, 0.3393, 0.1643

Previews

White Background



This preview shows how the Yxy color 51.0012, 0.2989, 0.5050 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 51.0012, 0.2989, 0.5050 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 51.0012, 0.2989, 0.5050

Background



This preview shows how black text looks on a background with the Yxy color 51.0012, 0.2989, 0.5050.



This preview shows how white text looks on a background with the Yxy color 51.0012, 0.2989, 0.5050.

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

51.0012, 0.2989, 0.5050

Protanopia

50.1145, 0.4061, 0.4439

Deuteranopia

49.9597, 0.4191, 0.4098



Tritanopia

50.6172, 0.2471, 0.3060

Trichromacy



Original Color

51.0012, 0.2989, 0.5050



Protanomaly

48.6153, 0.3594, 0.4691



Deuteranomaly

48.0459, 0.3662, 0.4456



Tritanomaly

50.2628, 0.2665, 0.3757

Monochromacy



Original Color

51.0012, 0.2989, 0.5050



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

40.4709, 0.3063, 0.3951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0012, 0.2989, 0.5050 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(87, 214, 98)` looks like.

```
.text, #text, p{  
  color:rgb(87, 214, 98)  
}
```

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(87, 214, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 214, 98) }
```

Border

The CSS property to change the border of an element to Yxy 51.0012, 0.2989, 0.5050 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(87, 214, 98) }
```

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

```
.border{ border-color:rgb(87, 214, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 214, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 214, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 214, 98);  
box-shadow:4px 4px 4px 4px rgb(87, 214,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0012, 0.2989, 0.5050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 214, 98) }
```

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

```
.background{ background-color: rgb(87, 214,  
98) }
```

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