

Converting Colors

$Y_{xy}(45.2141, 0.2780, 0.5210)$

Have a look what the booklet for
Yxy(45.2141, 0.2780, 0.5210)
contains.

Yxy(45.3810, 0.2783, 0.5218)	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(45.3810, 0.2783, 0.5218)

Conversions

Conversions Part 1

Format	Color
Hex	00CF5B
RGB	0, 207, 91
RGB Percent	0%, 81%, 36%
CMY	0.9991, 0.1882, 0.6431
CMYK	1.00, 0.00, 0.56, 0.19
HSL	146°, 100%, 41%
HSV	146°, 100%, 81%
XYZ	24.2038, 45.3810, 17.3853
YIQ	131.8830, -86.1360, -79.9600

Conversions

Conversions Part 2

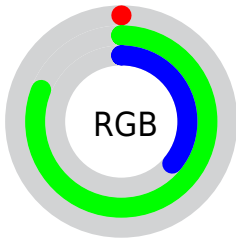
Format	Color
RYB	0, 144, 207
Decimal	53083
CIELab	73.14, -67.31, 45.19
CIELCh	73, 81.075, 146.124
Yxy	45.3810, 0.2783, 0.5218
Android (android.graphics.Color)	4278243163 (0xFF00CF5B)
YUV	131.8830, -20.1553, -115.6614
Hunter-Lab	67.3654, -53.7561, 31.8545

Details

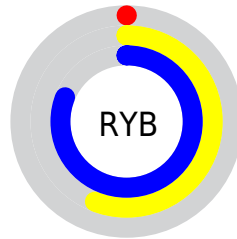
The Yxy color **45.3810, 0.2783, 0.5218** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **14.5359, 0.4714, 0.2371**, and the grayscale version is **23.1535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4172, 0.2872, 0.4732**, and **22.2797, 0.2907, 0.5665** is the 20% darker color. If you saturate the color by 10%, you get **45.3792, 0.2783, 0.5220**, and if you desaturate by 10%, it is **45.7562, 0.2751, 0.5025**.

Distribution



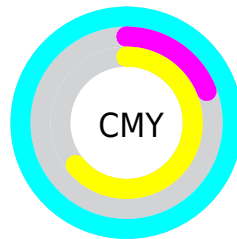
- Red (0%)
- Green (81%)
- Blue (36%)



- Red (0%)
- Yellow (56%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3810, 0.2783, 0.5218 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 45.3810, 0.2783, 0.5218 by changing the saturation by 10% instead.


 45.3810, 0.2783,
0.5218

 45.3810, 0.2783,
0.5218


368.3144, 0.3012,
0.4166


 31.7576, 0.2705,
0.5503


 83.2918, 0.2881,
0.4818

 21.1764, 0.2591,
0.5877


 108.3481, 0.2914,
0.4672


 13.2530, 0.2418,
0.6382


 137.9841, 0.2939,
0.4552

 7.6030, 0.2138,
0.7084

 172.5843, 0.2959,
0.4450

 3.8420, 0.1709,
0.8291

 212.5330, 0.2976,
0.4363

 1.5856, 0.0000,
1.0000

258.2147, 0.2990,

 0.3478, 0.0000,

0.4289

1.0000

310.0137, 0.3002,
0.4223

■ 0.0000, 0.0000,
0.0000

■ 45.3810, 0.2783,
0.5218

■ 45.3810, 0.2783,
0.5218

■ 45.3792, 0.2783,
0.5220

■ 45.7562, 0.2751,
0.5025

■ 46.3305, 0.2735,
0.4817

■ 47.1629, 0.2738,
0.4599

■ 48.2852, 0.2760,
0.4379

■ 49.7245, 0.2798,
0.4163

■ 51.5045, 0.2850,
0.3957

■ 53.6465, 0.2912,
0.3765

■ 56.1703, 0.2981,
0.3589

■ 59.0939, 0.3053,
0.3430

Harmonies

Analogous

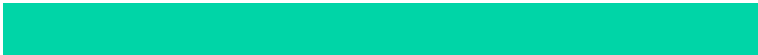
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.3810, 0.3797, 0.5353



45.3810, 0.2783, 0.5218



45.3810, 0.1914, 0.4091

Triad

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



45.3810, 0.2783, 0.5218



45.3810, 0.1575, 0.1730



45.3810, 0.5173, 0.3234

Complementary

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



45.3810, 0.2783, 0.5218



14.5359, 0.4714, 0.2371

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.



45.3810, 0.4328, 0.2567



45.3810, 0.2783, 0.5218



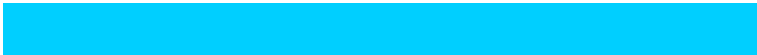
45.3810, 0.2167, 0.1747

Square

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



45.3810, 0.2783, 0.5218



45.3810, 0.1335, 0.2045



45.3810, 0.3147, 0.2040



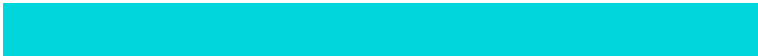
45.3810, 0.5265, 0.3968

Rectangle

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



45.3810, 0.2783, 0.5218



45.3810, 0.1543, 0.3202



45.3810, 0.3147, 0.2040



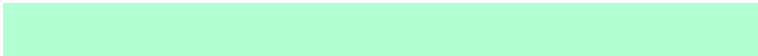
45.3810, 0.4965, 0.3003

Sweetspot

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



45.3828, 0.2783, 0.5218



85.8023, 0.2909, 0.3774



48.4357, 0.3457, 0.5637



18.0386, 0.2881, 0.3854



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.



45.3828, 0.2783, 0.5218



72.6893, 0.2789, 0.5241



48.4870, 0.2305, 0.3496



13.2913, 0.3057, 0.3423



28.6093, 0.2776, 0.5194



1.6155, 0.2676, 0.4832

Inverse Universe

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



14.5359, 0.4714, 0.2371



23.2440, 0.4739, 0.2384



13.3020, 0.6336, 0.3265



11.9177, 0.3204, 0.3160



9.1731, 0.4690, 0.2357



0.5287, 0.4345, 0.2167

Previews

White Background



This preview shows how the Yxy color 45.3810, 0.2783, 0.5218 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 45.3810, 0.2783, 0.5218 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 45.3810, 0.2783, 0.5218

Background



This preview shows how black text looks on a background with the Yxy color 45.3810, 0.2783, 0.5218.



This preview shows how white text looks on a background with the Yxy color 45.3810, 0.2783, 0.5218.

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

45.3810, 0.2783, 0.5218

Protanopia

44.4558, 0.4089, 0.4463

Deuteranopia

44.4407, 0.4187, 0.4104



Tritanopia

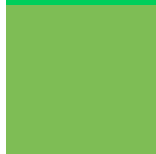
45.4327, 0.2336, 0.3072

Trichromacy



Original Color

45.3810, 0.2783, 0.5218



Protanomaly

41.4867, 0.3345, 0.4879



Deuteranomaly

40.1333, 0.3391, 0.4602



Tritanomaly

44.3669, 0.2467, 0.3799

Monochromacy



Original Color

45.3810, 0.2783, 0.5218



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

27.9654, 0.2815, 0.4086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3810, 0.2783, 0.5218 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(0, 207, 91)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 91)  
}
```

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(0, 207, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 91) }
```

Border

The CSS property to change the border of an element to Yxy 45.3810, 0.2783, 0.5218 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(0, 207, 91) }
```

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

```
.border{ border-color:rgb(0, 207, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 91);  
box-shadow:4px 4px 4px 4px rgb(0, 207, 91)  
}
```


Background

The CSS property to change the background color of an element to Yxy 45.3810, 0.2783, 0.5218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 91) }
```

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

```
.background{ background-color: rgb(0, 207,  
91) }
```

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