

Converting Colors

$Y_{xy}(44.5835, 0.2820, 0.5314)$

Have a look what the booklet for
Yxy(44.5835, 0.2820, 0.5314)
contains.

Yxy(44.3739, 0.2818, 0.5304)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.3739, 0.2818, 0.5304)

Conversions

Conversions Part 1

Format	Color
Hex	0CCD54
RGB	12, 205, 84
RGB Percent	5%, 80%, 33%
CMY	0.9545, 0.1961, 0.6705
CMYK	0.94, 0.00, 0.59, 0.20
HSL	142°, 89%, 42%
HSV	142°, 94%, 80%
XYZ	23.5757, 44.3739, 15.7116
YIQ	133.4990, -76.1870, -78.5470

Conversions

Conversions Part 2

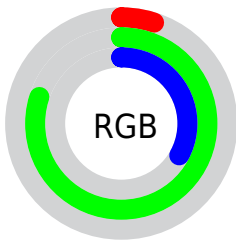
Format	Color
RYB	12, 153, 205
Decimal	838996
CIELab	72.48, -67.21, 47.65
CIELCh	72, 82.388, 144.668
Yxy	44.3739, 0.2818, 0.5304
Android (android.graphics.Color)	4279029076 (0xFF0CCD54)
YUV	133.4990, -24.4030, -106.5546
Hunter-Lab	66.6137, -53.3999, 32.6454

Details

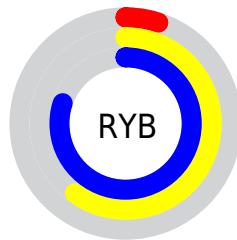
The Yxy color **44.3739, 0.2818, 0.5304** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **14.9136, 0.4353, 0.2200**, and the grayscale version is **23.7114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3294, 0.2910, 0.4819**, and **21.5886, 0.2937, 0.5774** is the 20% darker color. If you saturate the color by 10%, you get **44.1925, 0.2837, 0.5413**, and if you desaturate by 10%, it is **44.8288, 0.2792, 0.5092**.

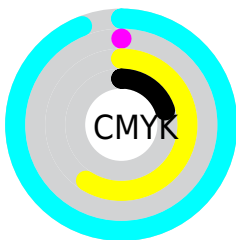
Distribution



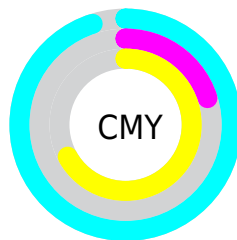
- Red (5%)
- Green (80%)
- Blue (33%)



- Red (5%)
- Yellow (60%)
- Blue (80%)



- Cyan (94%)
- Magenta (0%)
- Yellow (59%)
- Black (20%)




- Cyan (95%)
- Magenta (20%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.3739, 0.2818, 0.5304 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 44.3739, 0.2818, 0.5304 by changing the saturation by 10% instead.


 44.3739, 0.2818,
0.5304

 44.3739, 0.2818,
0.5304


364.2319, 0.3036,
0.4202


 30.9646, 0.2739,
0.5602


 81.7801, 0.2914,
0.4884


 20.5719, 0.2623,
0.5992

 106.5457, 0.2945,
0.4732


 12.8114, 0.2443,
0.6516


 135.8656, 0.2969,
0.4606

 7.2988, 0.2155,
0.7264

 170.1240, 0.2988,
0.4499

 3.6497, 0.1656,
0.8344

 209.7055, 0.3004,
0.4408

 1.4796, 0.0000,
1.0000

254.9944, 0.3016,

 0.2743, 0.0000,

0.4330

1.0000

306.3750, 0.3027,
0.4262

■ 0.0000, 0.0000,
0.0000

■ 44.3739, 0.2818,
0.5304

■ 44.3739, 0.2818,
0.5304

■ 44.1925, 0.2837,
0.5413

■ 44.8288, 0.2792,
0.5092

■ 45.5245, 0.2784,
0.4860

■ 46.4975, 0.2794,
0.4618

■ 47.7764, 0.2820,
0.4375

■ 49.3862, 0.2861,
0.4139

■ 51.3491, 0.2912,
0.3916

■ 53.6853, 0.2971,
0.3710

■ 56.4137, 0.3034,
0.3524

■ 59.5517, 0.3099,
0.3357

Harmonies

Analogous

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



44.3739, 0.3849, 0.5377



44.3739, 0.2818, 0.5304



44.3739, 0.1921, 0.4180

Triad

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



44.3739, 0.2818, 0.5304



44.3739, 0.1528, 0.1708



44.3739, 0.5194, 0.3191

Complementary

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



44.3739, 0.2818, 0.5304



14.9136, 0.4353, 0.2200

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.



44.3739, 0.4299, 0.2521



44.3739, 0.2818, 0.5304



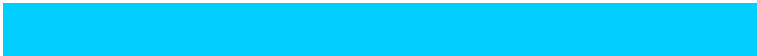
44.3739, 0.2109, 0.1713

Square

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



44.3739, 0.2818, 0.5304



44.3739, 0.1302, 0.2044



44.3739, 0.3089, 0.1997



44.3739, 0.5319, 0.3931

Rectangle

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



44.3739, 0.2818, 0.5304



44.3739, 0.1532, 0.3257



44.3739, 0.3089, 0.1997



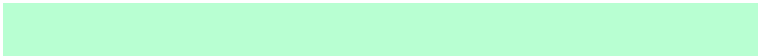
44.3739, 0.4969, 0.2959

Sweetspot

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



44.3757, 0.2818, 0.5304



86.3308, 0.2946, 0.3791



48.7608, 0.3583, 0.5505



18.1275, 0.2921, 0.3881



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.



44.3757, 0.2818, 0.5304



72.3550, 0.2843, 0.5436



46.9986, 0.2366, 0.3690



12.6053, 0.3066, 0.3438



27.5301, 0.2830, 0.5386



1.4349, 0.2717, 0.4982

Inverse Universe

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



14.9136, 0.4353, 0.2200



23.7813, 0.4466, 0.2234



13.3677, 0.6102, 0.3181



11.3297, 0.3194, 0.3146



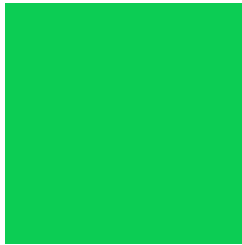
9.0731, 0.4424, 0.2211



0.4825, 0.4126, 0.2047

Previews

White Background



This preview shows how the Yxy color 44.3739, 0.2818, 0.5304 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 44.3739, 0.2818, 0.5304 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 44.3739, 0.2818, 0.5304

Background



This preview shows how black text looks on a background with the Yxy color 44.3739, 0.2818, 0.5304.



This preview shows how white text looks on a background with the Yxy color 44.3739, 0.2818, 0.5304.

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

44.3809, 0.2818, 0.5304

Protanopia

43.2944, 0.4130, 0.4520

Deuteranopia

43.4123, 0.4248, 0.4159



Tritanopia

44.0472, 0.2339, 0.3055

Trichromacy



Original Color

44.3809, 0.2818, 0.5304



Protanomaly

40.7578, 0.3416, 0.4938



Deuteranomaly

39.5367, 0.3481, 0.4662



Tritanomaly

43.4176, 0.2493, 0.3837

Monochromacy



Original Color

44.3809, 0.2818, 0.5304



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

28.1579, 0.2868, 0.4117

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3739, 0.2818, 0.5304 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(12, 205, 84)` looks like.

```
.text, #text, p{  
    color:rgb(12, 205, 84)  
}
```

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(12, 205, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 205, 84) }
```

Border

The CSS property to change the border of an element to Yxy 44.3739, 0.2818, 0.5304 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(12, 205, 84) }
```

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

```
.border{ border-color:rgb(12, 205, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 205, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 205, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 205, 84);  
box-shadow:4px 4px 4px 4px rgb(12, 205,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3739, 0.2818, 0.5304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 205, 84) }
```

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

```
.background{ background-color: rgb(12, 205,  
84) }
```

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