

Converting Colors

Yxy(44.7884, 0.2947, 0.5810)

Have a look what the booklet for
Yxy(44.7884, 0.2947, 0.5810)
contains.

Yxy(44.7857, 0.2948, 0.5813)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.7857, 0.2948, 0.5813)

Conversions

Conversions Part 1

Format	Color
Hex	00CF29
RGB	0, 207, 41
RGB Percent	0%, 81%, 16%
CMY	1.0000, 0.1882, 0.8392
CMYK	1.00, 0.00, 0.80, 0.19
HSL	132°, 100%, 41%
HSV	132°, 100%, 81%
XYZ	22.7126, 44.7857, 9.5458
YIQ	126.1830, -70.0860, -95.5100

Conversions

Conversions Part 2

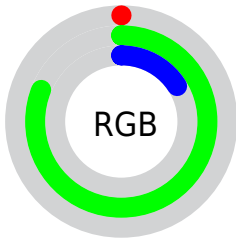
Format	Color
RYB	0, 173, 207
Decimal	53033
CIELab	72.75, -72.27, 64.17
CIELCh	73, 96.649, 138.398
Yxy	44.7857, 0.2948, 0.5813
Android (android.graphics.Color)	4278243113 (0xFF00CF29)
YUV	126.1830, -41.9952, -110.6625
Hunter-Lab	66.9221, -56.5329, 38.3884

Details

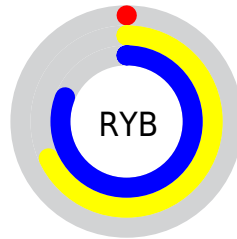
The Yxy color **44.7857, 0.2948, 0.5813** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **16.0189, 0.3789, 0.1861**, and the grayscale version is **21.0947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4434, 0.3055, 0.5252**, and **22.1332, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **44.7879, 0.2948, 0.5813**, and if you desaturate by 10%, it is **45.0855, 0.2926, 0.5644**.

Distribution



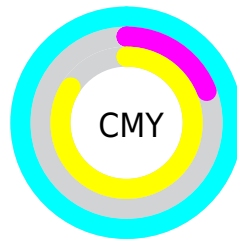
- Red (0%)
- Green (81%)
- Blue (16%)



- Red (0%)
- Yellow (68%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)
- Black (19%)




- Cyan (100%)
- Magenta (19%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7857, 0.2948, 0.5813 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 44.7857, 0.2948, 0.5813 by changing the saturation by 10% instead.


 44.7857, 0.2948,
0.5813

 44.7857, 0.2948,
0.5813


365.9049, 0.3147,
0.4449

 31.2887, 0.2855,
0.6161


 82.3987, 0.3051,
0.5305


 20.8188, 0.2710,
0.6597


 107.2835, 0.3080,
0.5117

 12.9916, 0.2481,
0.7152


 136.7330, 0.3101,
0.4959

 7.4228, 0.2116,
0.7884

 171.1316, 0.3116,
0.4825

 3.7279, 0.1445,
0.8555

 210.8637, 0.3127,
0.4711

 1.5225, 0.0000,
1.0000

 256.3137, 0.3136,

 0.3045, 0.0000,

0.4611

1.0000

307.8660, 0.3142,
0.4525

■ 0.0000, 0.0000,
0.0000

■ 44.7857, 0.2948,
0.5813

■ 44.7857, 0.2948,
0.5813

■ 44.7879, 0.2948,
0.5813

■ 45.0855, 0.2926,
0.5644

■ 45.6047, 0.2911,
0.5421

■ 46.4072, 0.2909,
0.5155

■ 47.5279, 0.2919,
0.4862

■ 48.9965, 0.2941,
0.4559

■ 50.8394, 0.2971,
0.4263

■ 53.0801, 0.3007,
0.3983

■ 55.7404, 0.3046,
0.3725

■ 58.8404, 0.3087,
0.3494

Harmonies

Analogous

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



44.7857, 0.4091, 0.5522



44.7857, 0.2948, 0.5813



44.7857, 0.1902, 0.4696

Triad

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



44.7857, 0.2948, 0.5813



44.7857, 0.1264, 0.1555



44.7857, 0.5374, 0.2967

Complementary

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



44.7857, 0.2948, 0.5813



16.0189, 0.3789, 0.1861

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.



44.7857, 0.4190, 0.2271



44.7857, 0.2948, 0.5813



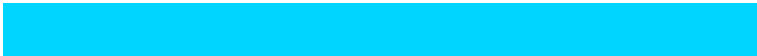
44.7857, 0.1799, 0.1504

Square

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



44.7857, 0.2948, 0.5813



44.7857, 0.1091, 0.1991



44.7857, 0.2797, 0.1751



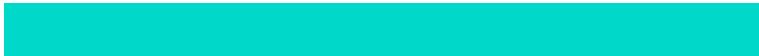
44.7857, 0.5661, 0.3740

Rectangle

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



44.7857, 0.2948, 0.5813



44.7857, 0.1422, 0.3546



44.7857, 0.2797, 0.1751



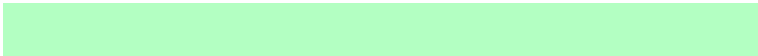
44.7857, 0.5057, 0.2724

Sweetspot

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



44.7879, 0.2948, 0.5813



84.9239, 0.3006, 0.3992



53.0687, 0.3870, 0.5309



17.8342, 0.2990, 0.4110



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.



44.7879, 0.2948, 0.5813



71.7548, 0.2952, 0.5828



46.5643, 0.2546, 0.4366



13.2440, 0.3089, 0.3482



28.2279, 0.2943, 0.5794



1.5898, 0.2848, 0.5453

Inverse Universe

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



16.0189, 0.3789, 0.1861



25.6426, 0.3797, 0.1865



13.6541, 0.5722, 0.2926



11.9672, 0.3168, 0.3106



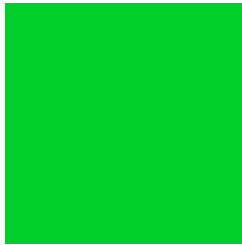
10.1058, 0.3779, 0.1856



0.5755, 0.3656, 0.1788

Previews

White Background



This preview shows how the Yxy color 44.7857, 0.2948, 0.5813 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 44.7857, 0.2948, 0.5813 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 44.7857, 0.2948, 0.5813

Background



This preview shows how black text looks on a background with the Yxy color 44.7857, 0.2948, 0.5813.



This preview shows how white text looks on a background with the Yxy color 44.7857, 0.2948, 0.5813.

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

44.7857, 0.2948, 0.5813

Protanopia

43.6962, 0.4344, 0.4800

Deuteranopia

43.7037, 0.4523, 0.4428



Tritanopia

44.6724, 0.2358, 0.3071

Trichromacy



Original Color

44.7857, 0.2948, 0.5813



Protanomaly

40.6058, 0.3572, 0.5361



Deuteranomaly

39.3757, 0.3673, 0.5100



Tritanomaly

43.3070, 0.2578, 0.4129

Monochromacy



Original Color

44.7857, 0.2948, 0.5813



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

25.9744, 0.2947, 0.4478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7857, 0.2948, 0.5813 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 41) }
```

Border

The CSS property to change the border of an element to Yxy 44.7857, 0.2948, 0.5813 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, 41) }
```

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

```
.border{ border-color:rgb(0, 207, 41) }
```

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, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 41);  
box-shadow:4px 4px 4px 4px rgb(0, 207, 41)  
}
```


Background

The CSS property to change the background color of an element to Yxy 44.7857, 0.2948, 0.5813 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, 41) }
```

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

```
.background{ background-color: rgb(0, 207,  
41) }
```

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