

Converting Colors

Yxy(47.1286, 0.2934, 0.5762)

Have a look what the booklet for
Yxy(47.1286, 0.2934, 0.5762)
contains.

Yxy(47.3004, 0.2935, 0.5766)	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(47.3004, 0.2935, 0.5766)

Conversions

Conversions Part 1

Format	Color
Hex	00D430
RGB	0, 212, 48
RGB Percent	0%, 83%, 19%
CMY	1.0000, 0.1686, 0.8118
CMYK	1.00, 0.00, 0.77, 0.17
HSL	134°, 100%, 42%
HSV	134°, 100%, 83%
XYZ	24.0768, 47.3004, 10.6561
YIQ	129.9160, -73.7080, -95.9480

Conversions

Conversions Part 2

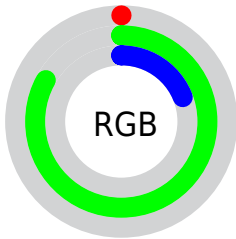
Format	Color
RYB	0, 173, 212
Decimal	54320
CIELab	74.38, -73.21, 63.66
CIELCh	74, 97.018, 138.990
Yxy	47.3004, 0.2935, 0.5766
Android (android.graphics.Color)	4278244400 (0xFF00D430)
YUV	129.9160, -40.3846, -113.9363
Hunter-Lab	68.7753, -57.8677, 38.9562

Details

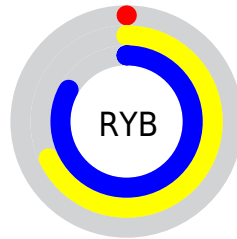
The Yxy color **47.3004, 0.2935, 0.5766** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **16.6783, 0.3887, 0.1915**, and the grayscale version is **22.4577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6248, 0.3038, 0.5186**, and **23.7769, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **47.3024, 0.2935, 0.5766**, and if you desaturate by 10%, it is **47.6253, 0.2910, 0.5589**.

Distribution



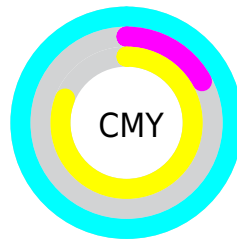
- Red (0%)
- Green (83%)
- Blue (19%)



- Red (0%)
- Yellow (68%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (77%)
- Black (17%)



- Cyan (100%)
- Magenta (17%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.3004, 0.2935, 0.5766 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 47.3004, 0.2935, 0.5766 by changing the saturation by 10% instead.


 47.3004, 0.2935,
0.5766


 47.3004, 0.2935,
0.5766


376.0123, 0.3134,
0.4436


 33.2732, 0.2846,
0.6104


 86.1619, 0.3036,
0.5272


 22.3358, 0.2709,
0.6527


 111.7649, 0.3065,
0.5089


 14.1039, 0.2491,
0.7059


 141.9953, 0.3086,
0.4935

 8.1929, 0.2168,
0.7832

 177.2376, 0.3102,
0.4805

 4.2187, 0.1558,
0.8442

 217.8760, 0.3113,
0.4693

 1.7966, 0.0000,
1.0000

 264.2950, 0.3122,

 0.4851, 0.0000,

0.4596

1.0000

316.8790, 0.3129,
0.4511

■ 0.0000, 0.0000,
0.0000

■ 47.3004, 0.2935,
0.5766

■ 47.3004, 0.2935,
0.5766

■ 47.3024, 0.2935,
0.5766

■ 47.6253, 0.2910,
0.5589

■ 48.1808, 0.2893,
0.5362

■ 49.0325, 0.2890,
0.5097

■ 50.2168, 0.2901,
0.4810

■ 51.7650, 0.2924,
0.4516

■ 53.7044, 0.2957,
0.4229

■ 56.0598, 0.2995,
0.3958

■ 58.8538, 0.3038,
0.3710

■ 62.1074, 0.3083,
0.3487

Harmonies

Analogous

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



47.3004, 0.4068, 0.5515



47.3004, 0.2935, 0.5766



47.3004, 0.1903, 0.4641

Triad

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



47.3004, 0.2935, 0.5766



47.3004, 0.1288, 0.1569



47.3004, 0.5359, 0.2990

Complementary

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



47.3004, 0.2935, 0.5766



16.6783, 0.3887, 0.1915

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.



47.3004, 0.4204, 0.2295



47.3004, 0.2935, 0.5766



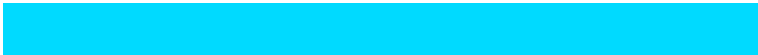
47.3004, 0.1829, 0.1523

Square

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



47.3004, 0.2935, 0.5766



47.3004, 0.1110, 0.1994



47.3004, 0.2827, 0.1774



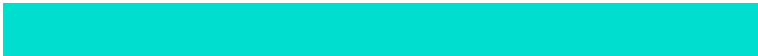
47.3004, 0.5629, 0.3761

Rectangle

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



47.3004, 0.2935, 0.5766



47.3004, 0.1432, 0.3514



47.3004, 0.2827, 0.1774



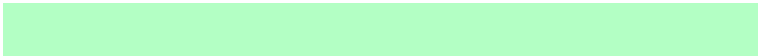
47.3004, 0.5052, 0.2748

Sweetspot

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



47.3024, 0.2935, 0.5766



85.0215, 0.2994, 0.3967



55.2036, 0.3811, 0.5356



17.8567, 0.2977, 0.4080



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.



47.3024, 0.2935, 0.5766



71.8228, 0.2939, 0.5781



49.3539, 0.2513, 0.4246



13.9416, 0.3085, 0.3475



29.2136, 0.2929, 0.5745



1.7748, 0.2836, 0.5410

Inverse Universe

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



16.6783, 0.3887, 0.1915



25.3036, 0.3896, 0.1920



14.3246, 0.5843, 0.2992



12.5823, 0.3172, 0.3111



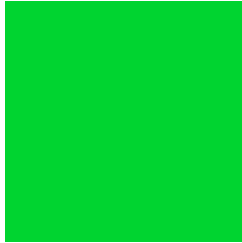
10.3117, 0.3875, 0.1909



0.6340, 0.3737, 0.1833

Previews

White Background



This preview shows how the Yxy color 47.3004, 0.2935, 0.5766 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 47.3004, 0.2935, 0.5766 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 47.3004, 0.2935, 0.5766

Background



This preview shows how black text looks on a background with the Yxy color 47.3004, 0.2935, 0.5766.

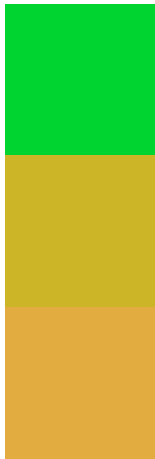


This preview shows how white text looks on a background with the Yxy color 47.3004, 0.2935, 0.5766.

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

47.3004, 0.2935, 0.5766

Protanopia

46.4465, 0.4322, 0.4778

Deuteranopia

46.0555, 0.4503, 0.4406



Tritanopia

47.3179, 0.2353, 0.3062

Trichromacy



Original Color

47.3004, 0.2935, 0.5766



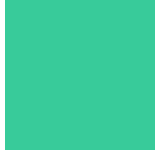
Protanomaly

43.0602, 0.3551, 0.5326



Deuteranomaly

41.7857, 0.3645, 0.5067



Tritanomaly

45.8857, 0.2559, 0.4075

Monochromacy



Original Color

47.3004, 0.2935, 0.5766



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

27.9007, 0.2936, 0.4442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.3004, 0.2935, 0.5766 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, 212, 48)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 48)  
}
```

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, 212, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 48) }
```

Border

The CSS property to change the border of an element to Yxy 47.3004, 0.2935, 0.5766 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, 212, 48) }
```

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

```
.border{ border-color:rgb(0, 212, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 212, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 48);  
box-shadow:4px 4px 4px 4px rgb(0, 212, 48)  
}
```


Background

The CSS property to change the background color of an element to Yxy 47.3004, 0.2935, 0.5766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 48) }
```

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

```
.background{ background-color: rgb(0, 212,  
48) }
```

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