

Converting Colors

$Y_{xy}(48.2330, 0.2988, 0.5957)$

Have a look what the booklet for
Yxy(48.2330, 0.2988, 0.5957)
contains.

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Color

Yxy(48.1305, 0.2988, 0.5958)

Conversions

Conversions Part 1

Format	Color
Hex	00D610
RGB	0, 214, 16
RGB Percent	0%, 84%, 6%
CMY	1.0000, 0.1608, 0.9365
CMYK	1.00, 0.00, 0.92, 0.16
HSL	125°, 100%, 42%
HSV	125°, 100%, 84%
XYZ	24.1380, 48.1305, 8.5145
YIQ	127.4420, -63.9860, -106.9460

Conversions

Conversions Part 2

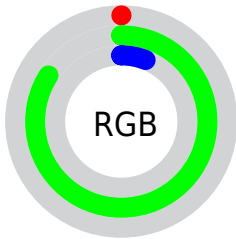
Format	Color
RYB	0, 199, 214
Decimal	54800
CIELab	74.91, -75.21, 71.21
CIELCh	75, 103.572, 136.564
Yxy	48.1305, 0.2988, 0.5958
Android (android.graphics.Color)	4278244880 (0xFF00D610)
YUV	127.4420, -54.9409, -111.7666
Hunter-Lab	69.3761, -59.3030, 41.2866

Details

The Yxy color **48.1305, 0.2988, 0.5958** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **18.3663, 0.3411, 0.1653**, and the grayscale version is **21.6022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4127, 0.3108, 0.5363**, and **24.1139, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **48.1346, 0.2988, 0.5958**, and if you desaturate by 10%, it is **48.3877, 0.2982, 0.5846**.

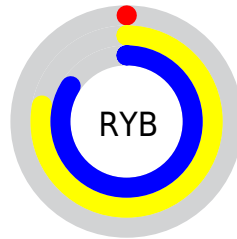
Distribution



Red (0%)

Green (84%)

Blue (6%)



Red (0%)

Yellow (78%)

Blue (84%)

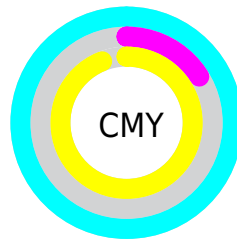


Cyan (100%)

Magenta (0%)

Yellow (92%)

Black (16%)



Cyan (100%)


Magenta (16%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1305, 0.2988, 0.5958 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 48.1305, 0.2988, 0.5958 by changing the saturation by 10% instead.

 48.1305, 0.2988,
0.5958

 48.1305, 0.2988,
0.5958


 379.3092, 0.3185,
0.4542

 33.9302, 0.2891,
0.6304


 87.3987, 0.3095,
0.5441


 22.8400, 0.2740,
0.6727


 113.2354, 0.3124,
0.5246

 14.4754, 0.2511,
0.7271


 143.7197, 0.3144,
0.5081

 8.4521, 0.2125,
0.7875

 179.2360, 0.3159,
0.4941

 4.3856, 0.1518,
0.8482

 220.1687, 0.3169,
0.4820

 1.8915, 0.0000,
1.0000

 266.9022, 0.3176,

 0.5433, 0.0000,

0.4715

1.0000

319.8209, 0.3181,
0.4623

■ 0.0000, 0.0000,
0.0000

■ 48.1305, 0.2988,
0.5958

■ 48.1305, 0.2988,
0.5958

■ 48.1346, 0.2988,
0.5958

■ 48.3877, 0.2982,
0.5846

■ 48.8890, 0.2979,
0.5657

■ 49.7087, 0.2983,
0.5399

■ 50.8882, 0.2994,
0.5091

■ 52.4627, 0.3011,
0.4756

■ 54.4631, 0.3032,
0.4419

■ 56.9174, 0.3056,
0.4095

■ 59.8510, 0.3080,
0.3796

■ 63.2876, 0.3104,
0.3527

Harmonies

Analogous

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



48.1305, 0.4163, 0.5540



48.1305, 0.2988, 0.5958



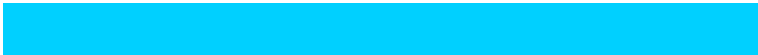
48.1305, 0.1901, 0.4878

Triad

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



48.1305, 0.2988, 0.5958



48.1305, 0.1188, 0.1512



48.1305, 0.5419, 0.2896

Complementary

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



48.1305, 0.2988, 0.5958



18.3663, 0.3411, 0.1653

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.



48.1305, 0.4141, 0.2193



48.1305, 0.2988, 0.5958



48.1305, 0.1706, 0.1444

Square

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



48.1305, 0.2988, 0.5958



48.1305, 0.1031, 0.1980



48.1305, 0.2701, 0.1678



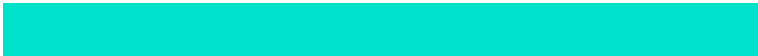
48.1305, 0.5763, 0.3674

Rectangle

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



48.1305, 0.2988, 0.5958



48.1305, 0.1393, 0.3655



48.1305, 0.2701, 0.1678



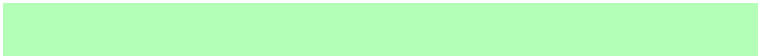
48.1305, 0.5070, 0.2650

Sweetspot

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



48.1346, 0.2988, 0.5958



84.5169, 0.3055, 0.4104



60.3403, 0.4076, 0.5146



17.7412, 0.3045, 0.4240



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.



48.1346, 0.2988, 0.5958



71.5680, 0.2990, 0.5964



49.4838, 0.2664, 0.4791



13.9111, 0.3106, 0.3512



29.0980, 0.2985, 0.5947



1.7605, 0.2941, 0.5787

Inverse Universe

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



18.3663, 0.3411, 0.1653



27.2998, 0.3413, 0.1654



15.0828, 0.5264, 0.2673



12.6157, 0.3149, 0.3077



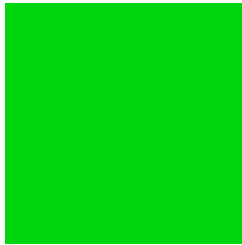
11.1074, 0.3407, 0.1651



0.6749, 0.3370, 0.1630

Previews

White Background



This preview shows how the Yxy color 48.1305, 0.2988, 0.5958 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 48.1305, 0.2988, 0.5958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

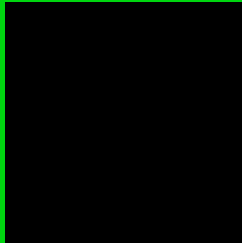
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1305, 0.2988, 0.5958

Background



This preview shows how black text looks on a background with the Yxy color 48.1305, 0.2988, 0.5958.



This preview shows how white text looks on a background with the Yxy color 48.1305, 0.2988, 0.5958.

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

48.1305, 0.2988, 0.5958

Protanopia

46.9888, 0.4406, 0.4884

Deuteranopia

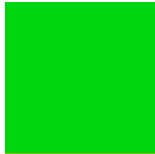
46.9319, 0.4606, 0.4491



Tritanopia

47.9268, 0.2359, 0.3064

Trichromacy



Original Color

48.1305, 0.2988, 0.5958



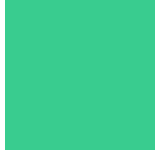
Protanomaly

43.4220, 0.3624, 0.5486



Deuteranomaly

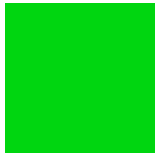
42.2110, 0.3739, 0.5231



Tritanomaly

46.0388, 0.2623, 0.4276

Monochromacy



Original Color

48.1305, 0.2988, 0.5958



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

27.2337, 0.3014, 0.4688

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1305, 0.2988, 0.5958 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, 214, 16)` looks like.

```
.text, #text, p{  
    color:rgb(0, 214, 16)  
}
```

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, 214, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 214, 16) }
```

Border

The CSS property to change the border of an element to Yxy 48.1305, 0.2988, 0.5958 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, 214, 16) }
```

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

```
.border{ border-color:rgb(0, 214, 16) }
```

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

Here you see how a box with a 4 pixel rgb(0, 214, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 214, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 214, 16);  
box-shadow:4px 4px 4px 4px rgb(0, 214, 16)  
}
```


Background

The CSS property to change the background color of an element to Yxy 48.1305, 0.2988, 0.5958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 214, 16) }
```

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

```
.background{ background-color: rgb(0, 214,  
16) }
```

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](#).

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