

Converting Colors

$Y_{xy}(45.0412, 0.2897, 0.5970)$

Have a look what the booklet for
Yxy(45.0412, 0.2897, 0.5970)
contains.

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Color

Yxy(45.6801, 0.2974, 0.5908)

Conversions

Conversions Part 1

Format	Color
Hex	00D11B
RGB	0, 209, 27
RGB Percent	0%, 82%, 11%
CMY	1.0000, 0.1804, 0.8939
CMYK	1.00, 0.00, 0.87, 0.18
HSL	128°, 100%, 41%
HSV	128°, 100%, 82%
XYZ	22.9947, 45.6801, 8.6443
YIQ	125.7610, -66.1420, -100.9100

Conversions

Conversions Part 2

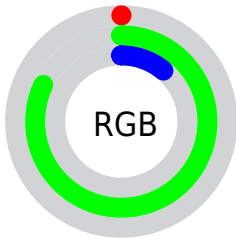
Format	Color
RYB	0, 185, 209
Decimal	53531
CIELab	73.34, -73.52, 68.07
CIELCh	73, 100.196, 137.204
Yxy	45.6801, 0.2974, 0.5908
Android (android.graphics.Color)	4278243611 (0xFF00D11B)
YUV	125.7610, -48.6892, -110.2924
Hunter-Lab	67.5871, -57.5475, 39.7278

Details

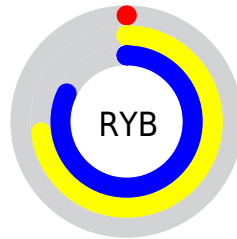
The Yxy color **45.6801, 0.2974, 0.5908** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **16.9324, 0.3569, 0.1739**, and the grayscale version is **20.9677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3569, 0.3087, 0.5331**, and **22.7825, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **45.6847, 0.2974, 0.5908**, and if you desaturate by 10%, it is **45.9551, 0.2960, 0.5768**.

Distribution



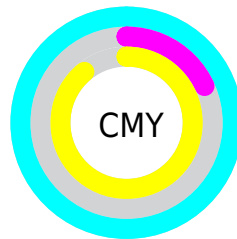
- Red (0%)
- Green (82%)
- Blue (11%)



- Red (0%)
- Yellow (73%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (87%)
- Black (18%)




- Cyan (100%)
- Magenta (18%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6801, 0.2974, 0.5908 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 45.6801, 0.2974, 0.5908 by changing the saturation by 10% instead.


 45.6801, 0.2974,
0.5908


 45.6801, 0.2974,
0.5908


 369.5210, 0.3171,
0.4503


 31.9935, 0.2878,
0.6259


 83.7400, 0.3080,
0.5390


 21.3565, 0.2726,
0.6692


 108.8821, 0.3109,
0.5196


 13.3848, 0.2494,
0.7254


 138.6115, 0.3130,
0.5033

 7.6941, 0.2102,
0.7898

 173.3125, 0.3144,
0.4894

 3.8998, 0.1449,
0.8551

 213.3695, 0.3155,
0.4776

 1.6177, 0.0000,
1.0000

 259.1671, 0.3162,

 0.3695, 0.0000,

0.4673

1.0000

311.0894, 0.3167,
0.4583

■ 0.0000, 0.0000,
0.0000

■ 45.6801, 0.2974,
0.5908

■ 45.6801, 0.2974,
0.5908

■ 45.6847, 0.2974,
0.5908

■ 45.9551, 0.2960,
0.5768

■ 46.4573, 0.2951,
0.5560

■ 47.2561, 0.2952,
0.5295

■ 48.3888, 0.2962,
0.4991

■ 49.8874, 0.2981,
0.4670

■ 51.7799, 0.3006,
0.4350

■ 54.0916, 0.3034,
0.4045

■ 56.8458, 0.3065,
0.3764

■ 60.0638, 0.3097,
0.3512

Harmonies

Analogous

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



45.6801, 0.4138, 0.5535



45.6801, 0.2974, 0.5908



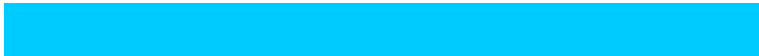
45.6801, 0.1901, 0.4813

Triad

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



45.6801, 0.2974, 0.5908



45.6801, 0.1215, 0.1527



45.6801, 0.5404, 0.2921

Complementary

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



45.6801, 0.2974, 0.5908



16.9324, 0.3569, 0.1739

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.



45.6801, 0.4159, 0.2220



45.6801, 0.2974, 0.5908



45.6801, 0.1739, 0.1464

Square

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



45.6801, 0.2974, 0.5908



45.6801, 0.1052, 0.1984



45.6801, 0.2735, 0.1704



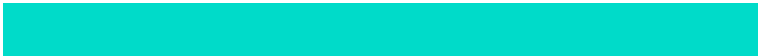
45.6801, 0.5727, 0.3698

Rectangle

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



45.6801, 0.2974, 0.5908



45.6801, 0.1403, 0.3616



45.6801, 0.2735, 0.1704



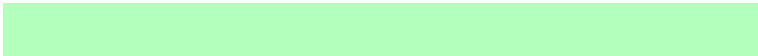
45.6801, 0.5066, 0.2676

Sweetspot

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



45.6847, 0.2974, 0.5908



84.6923, 0.3033, 0.4055



55.8731, 0.3988, 0.5216



17.7812, 0.3021, 0.4183



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.



45.6847, 0.2974, 0.5908



71.6298, 0.2977, 0.5918



47.1874, 0.2614, 0.4609



13.2308, 0.3098, 0.3499



28.1732, 0.2970, 0.5893



1.5836, 0.2897, 0.5630

Inverse Universe

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



16.9324, 0.3569, 0.1739



26.5340, 0.3573, 0.1742



14.1376, 0.5466, 0.2785



11.9816, 0.3157, 0.3090



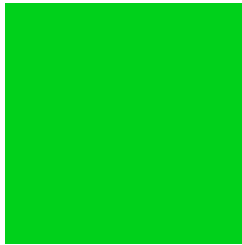
10.4494, 0.3563, 0.1736



0.5918, 0.3489, 0.1695

Previews

White Background



This preview shows how the Yxy color 45.6801, 0.2974, 0.5908 looks on a white background.

Color Contrast Check

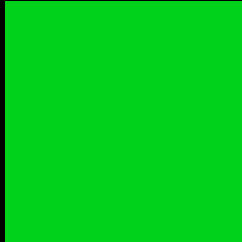
Large Text (above 18pt) WCAG AA × Fail

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 45.6801, 0.2974, 0.5908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

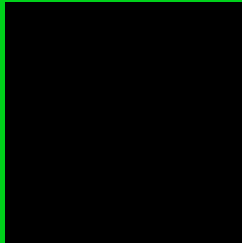
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

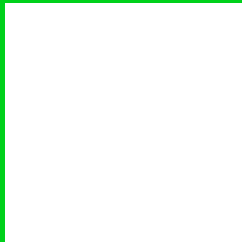
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6801, 0.2974, 0.5908

Background



This preview shows how black text looks on a background with the Yxy color 45.6801, 0.2974, 0.5908.



This preview shows how white text looks on a background with the Yxy color 45.6801, 0.2974, 0.5908.

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

45.6801, 0.2974, 0.5908

Protanopia

44.6982, 0.4379, 0.4856

Deuteranopia

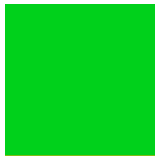
44.4712, 0.4580, 0.4472



Tritanopia

45.2630, 0.2355, 0.3059

Trichromacy



Original Color

45.6801, 0.2974, 0.5908



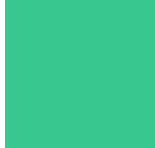
Protanomaly

41.4702, 0.3603, 0.5443



Deuteranomaly

40.2950, 0.3718, 0.5183



Tritanomaly

43.6422, 0.2602, 0.4213

Monochromacy



Original Color

45.6801, 0.2974, 0.5908



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

26.2206, 0.2985, 0.4592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6801, 0.2974, 0.5908 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, 209, 27)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 27)  
}
```

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, 209, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 27) }
```

Border

The CSS property to change the border of an element to Yxy 45.6801, 0.2974, 0.5908 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, 209, 27) }
```

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

```
.border{ border-color:rgb(0, 209, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 209, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 27);  
box-shadow:4px 4px 4px 4px rgb(0, 209, 27)  
}
```


Background

The CSS property to change the background color of an element to Yxy 45.6801, 0.2974, 0.5908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 27) }
```

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

```
.background{ background-color: rgb(0, 209,  
27) }
```

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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