

Converting Colors

$Y_{xy}(45.8523, 0.2976, 0.5855)$

Have a look what the booklet for
Yxy(45.8523, 0.2976, 0.5855)
contains.

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Color

Yxy(45.8180, 0.2976, 0.5857)

Conversions

Conversions Part 1

Format	Color
Hex	0FD122
RGB	15, 209, 34
RGB Percent	6%, 82%, 13%
CMY	0.9430, 0.1803, 0.8667
CMYK	0.93, 0.00, 0.84, 0.18
HSL	126°, 87%, 44%
HSV	126°, 93%, 82%
XYZ	23.2806, 45.8180, 9.1292
YIQ	131.0440, -59.4490, -95.5530

Conversions

Conversions Part 2

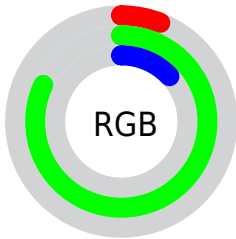
Format	Color
RYB	15, 192, 209
Decimal	1036578
CIELab	73.43, -72.62, 66.65
CIELCh	73, 98.570, 137.456
Yxy	45.8180, 0.2976, 0.5857
Android (android.graphics.Color)	4279226658 (0xFF0FD122)
YUV	131.0440, -47.8427, -101.7706
Hunter-Lab	67.6890, -57.0634, 39.3859

Details

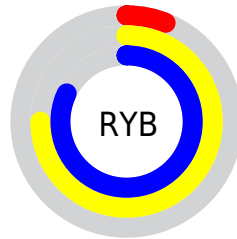
The Yxy color **45.8180, 0.2976, 0.5857** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **17.5842, 0.3458, 0.1703**, and the grayscale version is **22.8544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6157, 0.3087, 0.5283**, and **22.7825, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **45.6605, 0.2983, 0.5937**, and if you desaturate by 10%, it is **46.2271, 0.2968, 0.5681**.

Distribution



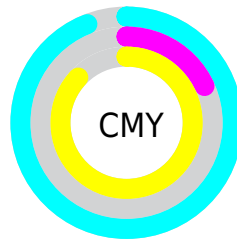
- Red (6%)
- Green (82%)
- Blue (13%)



- Red (6%)
- Yellow (75%)
- Blue (82%)



- Cyan (93%)
- Magenta (0%)
- Yellow (84%)
- Black (18%)





- Cyan (94%)
- Magenta (18%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.8180, 0.2976, 0.5857 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 45.8180, 0.2976, 0.5857 by changing the saturation by 10% instead.


 45.8180, 0.2976,
0.5857


 45.8180, 0.2976,
0.5857

370.0765, 0.3167,
0.4479

 32.1022, 0.2883,
0.6203


 83.9466, 0.3078,
0.5347

 21.4396, 0.2738,
0.6633


 109.1281, 0.3106,
0.5157

 13.4457, 0.2511,
0.7182


 138.9004, 0.3126,
0.4997

 7.7362, 0.2139,
0.7861

 173.6478, 0.3140,
0.4862

 3.9266, 0.1499,
0.8501

 213.7547, 0.3150,
0.4745

 1.6326, 0.0000,
1.0000

 259.6055, 0.3157,

 0.3794, 0.0000,

0.4644

1.0000

311.5847, 0.3163,
0.4556

■ 0.0000, 0.0000,
0.0000

■ 45.8180, 0.2976,
0.5857

■ 45.8180, 0.2976,
0.5857

■ 45.6605, 0.2983,
0.5937

■ 46.2271, 0.2968,
0.5681

■ 46.9203, 0.2968,
0.5437

■ 47.9402, 0.2976,
0.5141

■ 49.3208, 0.2991,
0.4817

■ 51.0918, 0.3013,
0.4486

■ 53.2799, 0.3038,
0.4165

■ 55.9092, 0.3065,
0.3866

■ 59.0023, 0.3093,
0.3596

■ 62.5801, 0.3119,
0.3357

Harmonies

Analogous

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



45.8180, 0.4127, 0.5516



45.8180, 0.2976, 0.5857



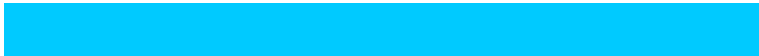
45.8180, 0.1915, 0.4769

Triad

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



45.8180, 0.2976, 0.5857



45.8180, 0.1239, 0.1547



45.8180, 0.5374, 0.2937

Complementary

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



45.8180, 0.2976, 0.5857



17.5842, 0.3458, 0.1703

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.



45.8180, 0.4156, 0.2241



45.8180, 0.2976, 0.5857



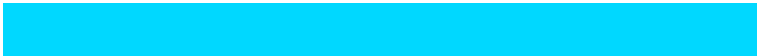
45.8180, 0.1763, 0.1486

Square

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



45.8180, 0.2976, 0.5857



45.8180, 0.1075, 0.1999



45.8180, 0.2753, 0.1726



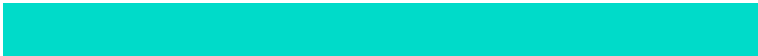
45.8180, 0.5691, 0.3711

Rectangle

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



45.8180, 0.2976, 0.5857



45.8180, 0.1423, 0.3599



45.8180, 0.2753, 0.1726



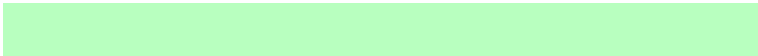
45.8180, 0.5044, 0.2694

Sweetspot

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



45.8199, 0.2976, 0.5857



85.4113, 0.3051, 0.4021



56.5310, 0.4017, 0.5159



17.9126, 0.3039, 0.4154



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.



45.8199, 0.2976, 0.5857



71.5924, 0.2985, 0.5946



47.3492, 0.2613, 0.4565



13.2252, 0.3102, 0.3506



28.1561, 0.2979, 0.5924



1.5810, 0.2919, 0.5709

Inverse Universe

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



17.5842, 0.3458, 0.1703



26.9445, 0.3484, 0.1693



14.6644, 0.5202, 0.2685



11.9878, 0.3153, 0.3083



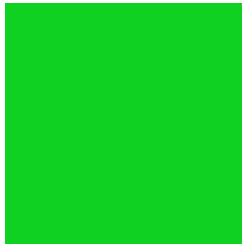
10.6072, 0.3476, 0.1689



0.5991, 0.3421, 0.1658

Previews

White Background



This preview shows how the Yxy color 45.8180, 0.2976, 0.5857 looks on a white background.

Color Contrast Check

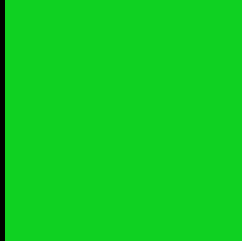
Large Text (above 18pt) WCAG AA × Fail

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 45.8180, 0.2976, 0.5857 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 45.8180, 0.2976, 0.5857

Background



This preview shows how black text looks on a background with the Yxy color 45.8180, 0.2976, 0.5857.



This preview shows how white text looks on a background with the Yxy color 45.8180, 0.2976, 0.5857.

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

45.8180, 0.2976, 0.5857

Protanopia

44.7323, 0.4362, 0.4830

Deuteranopia

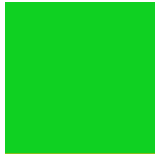
44.8726, 0.4556, 0.4463



Tritanopia

45.7581, 0.2362, 0.3073

Trichromacy



Original Color

45.8180, 0.2976, 0.5857



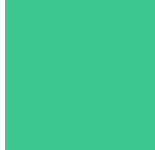
Protanomaly

41.9022, 0.3631, 0.5374



Deuteranomaly

40.7821, 0.3750, 0.5121



Tritanomaly

44.3760, 0.2609, 0.4169

Monochromacy



Original Color

45.8180, 0.2976, 0.5857



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

27.7646, 0.3013, 0.4490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8180, 0.2976, 0.5857 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(15, 209, 34)` looks like.

```
.text, #text, p{  
    color:rgb(15, 209, 34)  
}
```

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(15, 209, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 209, 34) }
```

Border

The CSS property to change the border of an element to Yxy 45.8180, 0.2976, 0.5857 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(15, 209, 34) }
```

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

```
.border{ border-color:rgb(15, 209, 34) }
```

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

Here you see how a box with a 4 pixel rgb(15, 209, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 209, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 209, 34);  
box-shadow:4px 4px 4px 4px rgb(15, 209,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8180, 0.2976, 0.5857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 209, 34) }
```

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

```
.background{ background-color: rgb(15, 209,  
34) }
```

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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