

Converting Colors

$Y_{xy}(45.6959, 0.2985, 0.5946)$

Have a look what the booklet for
Yxy(45.6959, 0.2985, 0.5946)
contains.

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Color

Yxy(45.6479, 0.2985, 0.5945)

Conversions

Conversions Part 1

Format	Color
Hex	00D113
RGB	0, 209, 19
RGB Percent	0%, 82%, 7%
CMY	0.9990, 0.1804, 0.9257
CMYK	1.00, 0.00, 0.91, 0.18
HSL	125°, 100%, 41%
HSV	125°, 100%, 82%
XYZ	22.9199, 45.6479, 8.2159
YIQ	124.8490, -63.5740, -103.3980

Conversions

Conversions Part 2

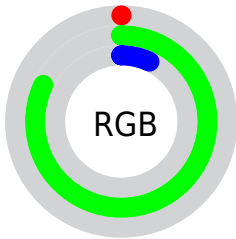
Format	Color
RYB	0, 192, 209
Decimal	53523
CIELab	73.32, -73.77, 69.48
CIELCh	73, 101.338, 136.715
Yxy	45.6479, 0.2985, 0.5945
Android (android.graphics.Color)	4278243603 (0xFF00D113)
YUV	124.8490, -52.1836, -109.4926
Hunter-Lab	67.5632, -57.6819, 40.0845

Details

The Yxy color **45.6479, 0.2985, 0.5945** 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 **17.2927, 0.3450, 0.1674**, and the grayscale version is **20.6757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3504, 0.3104, 0.5366**, and **22.7825, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **45.6473, 0.2985, 0.5946**, and if you desaturate by 10%, it is **45.9023, 0.2977, 0.5824**.

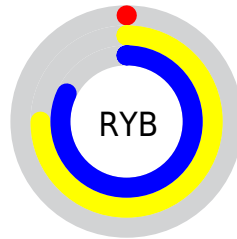
Distribution



Red (0%)

Green (82%)

Blue (7%)



Red (0%)

Yellow (75%)

Blue (82%)

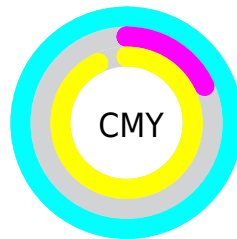


Cyan (100%)

Magenta (0%)

Yellow (91%)

Black (18%)



Cyan (100%)


Magenta (18%)

Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6479, 0.2985, 0.5945 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 45.6479, 0.2985, 0.5945 by changing the saturation by 10% instead.


 45.6479, 0.2985,
0.5945

 45.6479, 0.2985,
0.5945


 369.3913, 0.3182,
0.4523

 31.9681, 0.2887,
0.6297


 83.6918, 0.3092,
0.5422

 21.3371, 0.2732,
0.6730


 108.8247, 0.3122,
0.5226


 13.3706, 0.2499,
0.7302


 138.5440, 0.3142,
0.5061

 7.6843, 0.2092,
0.7908

 173.2341, 0.3156,
0.4920

 3.8936, 0.1435,
0.8565

 213.2796, 0.3166,
0.4800

 1.6142, 0.0000,
1.0000

 259.0646, 0.3173,

 0.3672, 0.0000,

0.4695

1.0000

310.9737, 0.3178,
0.4604

■ 0.0000, 0.0000,
0.0000

■ 45.6479, 0.2985,
0.5945

■ 45.6479, 0.2985,
0.5945

■ 45.6473, 0.2985,
0.5946

■ 45.9023, 0.2977,
0.5824

■ 46.3903, 0.2972,
0.5628

■ 47.1791, 0.2975,
0.5367

■ 48.3071, 0.2986,
0.5059

■ 49.8072, 0.3004,
0.4728

■ 51.7081, 0.3026,
0.4395

■ 54.0359, 0.3051,
0.4077

■ 56.8144, 0.3077,
0.3783

■ 60.0656, 0.3103,
0.3520

Harmonies

Analogous

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



45.6479, 0.4157, 0.5538



45.6479, 0.2985, 0.5945



45.6479, 0.1902, 0.4862

Triad

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



45.6479, 0.2985, 0.5945



45.6479, 0.1195, 0.1516



45.6479, 0.5414, 0.2902

Complementary

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



45.6479, 0.2985, 0.5945



17.2927, 0.3450, 0.1674

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.



45.6479, 0.4145, 0.2200



45.6479, 0.2985, 0.5945



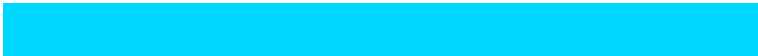
45.6479, 0.1714, 0.1449

Square

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



45.6479, 0.2985, 0.5945



45.6479, 0.1037, 0.1982



45.6479, 0.2709, 0.1685



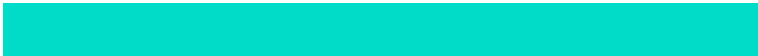
45.6479, 0.5754, 0.3680

Rectangle

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



45.6479, 0.2985, 0.5945



45.6479, 0.1396, 0.3646



45.6479, 0.2709, 0.1685



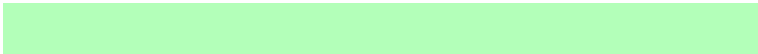
45.6479, 0.5068, 0.2657

Sweetspot

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



45.6498, 0.2985, 0.5945



84.5617, 0.3050, 0.4091



56.7569, 0.4047, 0.5168



17.7514, 0.3039, 0.4225



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.



45.6498, 0.2985, 0.5945



71.5812, 0.2987, 0.5954



47.0088, 0.2647, 0.4728



13.2232, 0.3104, 0.3508



28.1508, 0.2982, 0.5934



1.5801, 0.2927, 0.5738

Inverse Universe

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



17.2927, 0.3450, 0.1674



27.0962, 0.3453, 0.1676



14.2531, 0.5326, 0.2709



11.9900, 0.3151, 0.3081



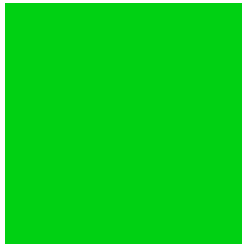
10.6655, 0.3446, 0.1672



0.6018, 0.3398, 0.1645

Previews

White Background



This preview shows how the Yxy color 45.6479, 0.2985, 0.5945 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 45.6479, 0.2985, 0.5945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

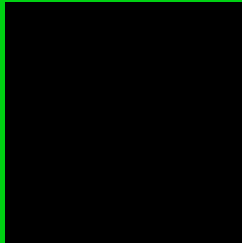
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

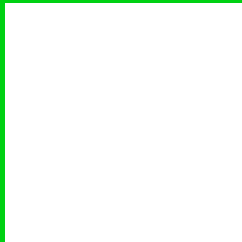
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.6479, 0.2985, 0.5945

Background



This preview shows how black text looks on a background with the Yxy color 45.6479, 0.2985, 0.5945.



This preview shows how white text looks on a background with the Yxy color 45.6479, 0.2985, 0.5945.

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

45.6479, 0.2985, 0.5945

Protanopia

44.6577, 0.4401, 0.4888

Deuteranopia

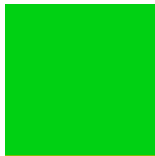
44.4366, 0.4598, 0.4494



Tritanopia

45.3114, 0.2359, 0.3059

Trichromacy



Original Color

45.6479, 0.2985, 0.5945



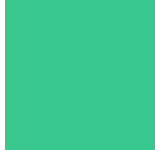
Protanomaly

41.4314, 0.3621, 0.5485



Deuteranomaly

40.2542, 0.3738, 0.5224



Tritanomaly

43.6107, 0.2616, 0.4247

Monochromacy



Original Color

45.6479, 0.2985, 0.5945



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

26.1543, 0.3014, 0.4671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6479, 0.2985, 0.5945 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, 19)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 19)  
}
```

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, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 19) }
```

Border

The CSS property to change the border of an element to Yxy 45.6479, 0.2985, 0.5945 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, 19) }
```

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

```
.border{ border-color:rgb(0, 209, 19) }
```

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, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 19);  
box-shadow:4px 4px 4px 4px rgb(0, 209, 19)  
}
```


Background

The CSS property to change the background color of an element to Yxy 45.6479, 0.2985, 0.5945 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, 19) }
```

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

```
.background{ background-color: rgb(0, 209,  
19) }
```

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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