

Converting Colors

$Y_{xy}(44.4535, 0.3006, 0.5995)$

Have a look what the booklet for
Yxy(44.4535, 0.3006, 0.5995)
contains.

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Color

Yxy(44.6708, 0.3006, 0.5995)

Conversions

Conversions Part 1

Format	Color
Hex	07CF00
RGB	7, 207, 0
RGB Percent	3%, 81%, 0%
CMY	0.9734, 0.1882, 0.9996
CMYK	0.97, 0.00, 1.00, 0.19
HSL	118°, 100%, 41%
HSV	118°, 100%, 81%
XYZ	22.3987, 44.6708, 7.4439
YIQ	123.6020, -52.7530, -106.7770

Conversions

Conversions Part 2

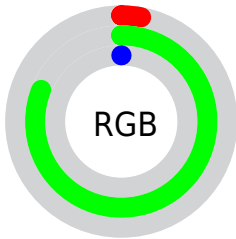
Format	Color
RYB	0, 207, 200
Decimal	511744
CIELab	72.67, -73.38, 71.11
CIELCh	73, 102.181, 135.901
Yxy	44.6708, 0.3006, 0.5995
Android (android.graphics.Color)	4278701824 (0xFF07CF00)
YUV	123.6020, -60.9358, -102.2600
Hunter-Lab	66.8362, -57.1429, 40.1819

Details

The Yxy color **44.6708, 0.3006, 0.5995** 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 **16.8311, 0.3128, 0.1497**, and the grayscale version is **20.2185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3173, 0.3127, 0.5418**, and **22.1332, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **44.6718, 0.3006, 0.5995**, and if you desaturate by 10%, it is **44.9126, 0.3014, 0.5912**.

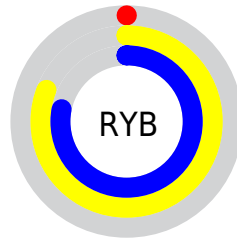
Distribution



Red (3%)

Green (81%)

Blue (0%)



Red (0%)

Yellow (81%)

Blue (78%)

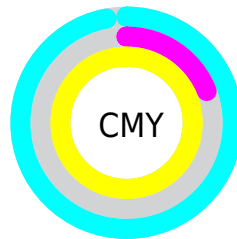


Cyan (97%)

Magenta (0%)

Yellow (100%)

Black (19%)



Cyan (97%)


Magenta (19%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6708, 0.3006, 0.5995 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 44.6708, 0.3006, 0.5995 by changing the saturation by 10% instead.


 44.6708, 0.3006,
0.5995

 44.6708, 0.3006,
0.5995


365.4387, 0.3200,
0.4547

 31.1982, 0.2904,
0.6351


 82.2262, 0.3115,
0.5464

 20.7498, 0.2744,
0.6785


 107.0778, 0.3144,
0.5264

 12.9413, 0.2512,
0.7389


 136.4912, 0.3164,
0.5096

 7.3881, 0.2072,
0.7928

 170.8507, 0.3178,
0.4952

 3.7060, 0.1383,
0.8617

 210.5408, 0.3187,
0.4829

 1.5105, 0.0000,
1.0000

 255.9459, 0.3193,

 0.2961, 0.0000,

0.4722

1.0000

307.4504, 0.3198,
0.4629

■ 0.0000, 0.0000,
0.0000

■ 44.6708, 0.3006,
0.5995

■ 44.6708, 0.3006,
0.5995

■ 44.6718, 0.3006,
0.5995

■ 44.9126, 0.3014,
0.5912

■ 45.3930, 0.3027,
0.5751

■ 46.1677, 0.3042,
0.5508

■ 47.2736, 0.3058,
0.5201

■ 48.7422, 0.3074,
0.4857

■ 50.6015, 0.3088,
0.4501

■ 52.8766, 0.3101,
0.4155

■ 55.5905, 0.3112,
0.3834

■ 58.7645, 0.3120,
0.3545

Harmonies

Analogous

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



44.6708, 0.4189, 0.5537



44.6708, 0.3006, 0.5995



44.6708, 0.1907, 0.4938

Triad

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



44.6708, 0.3006, 0.5995



44.6708, 0.1168, 0.1503



44.6708, 0.5423, 0.2872

Complementary

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



44.6708, 0.3006, 0.5995



16.8311, 0.3128, 0.1497

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.



44.6708, 0.4117, 0.2169



44.6708, 0.3006, 0.5995



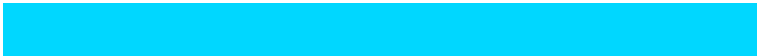
44.6708, 0.1678, 0.1428

Square

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



44.6708, 0.3006, 0.5995



44.6708, 0.1017, 0.1983



44.6708, 0.2668, 0.1657



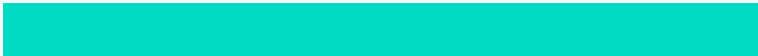
44.6708, 0.5790, 0.3651

Rectangle

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



44.6708, 0.3006, 0.5995



44.6708, 0.1390, 0.3697



44.6708, 0.2668, 0.1657



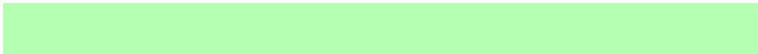
44.6708, 0.5064, 0.2626

Sweetspot

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



44.6727, 0.3006, 0.5995



84.5748, 0.3100, 0.4169



54.6257, 0.4253, 0.5005



17.7541, 0.3095, 0.4315



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.



44.6727, 0.3006, 0.5995



71.5732, 0.3005, 0.5996



45.4859, 0.2759, 0.5130



13.2242, 0.3121, 0.3530



28.1513, 0.3008, 0.5994



1.5806, 0.3033, 0.5974

Inverse Universe

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



16.8311, 0.3128, 0.1497



26.9508, 0.3127, 0.1496



14.4040, 0.4832, 0.2436



11.9888, 0.3133, 0.3061



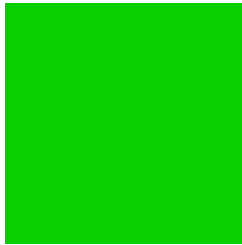
10.6104, 0.3129, 0.1497



0.5995, 0.3145, 0.1506

Previews

White Background



This preview shows how the Yxy color 44.6708, 0.3006, 0.5995 looks on a white background.

Color Contrast Check

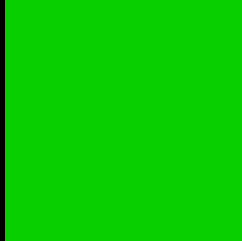
Large Text (above 18pt) WCAG AA × Fail

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 44.6708, 0.3006, 0.5995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

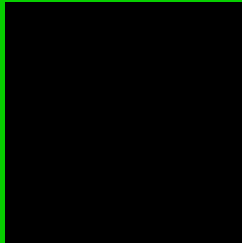
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

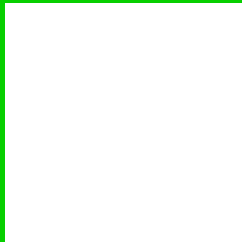
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.6708, 0.3006, 0.5995

Background



This preview shows how black text looks on a background with the Yxy color 44.6708, 0.3006, 0.5995.



This preview shows how white text looks on a background with the Yxy color 44.6708, 0.3006, 0.5995.

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

44.6708, 0.3006, 0.5995

Protanopia

43.5864, 0.4403, 0.4886

Deuteranopia

43.7243, 0.4603, 0.4512



Tritanopia

44.2796, 0.2358, 0.3057

Trichromacy



Original Color

44.6708, 0.3006, 0.5995



Protanomaly

40.6336, 0.3649, 0.5484



Deuteranomaly

39.4739, 0.3783, 0.5249



Tritanomaly

42.4980, 0.2666, 0.4379

Monochromacy



Original Color

44.6708, 0.3006, 0.5995



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

25.4250, 0.3074, 0.4777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6708, 0.3006, 0.5995 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(7, 207, 0)` looks like.

```
.text, #text, p{  
    color:rgb(7, 207, 0)  
}
```

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(7, 207, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 207, 0) }
```

Border

The CSS property to change the border of an element to Yxy 44.6708, 0.3006, 0.5995 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(7, 207, 0) }
```

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

```
.border{ border-color:rgb(7, 207, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 207, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 207, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 207, 0); box-shadow:4px  
4px 4px 4px rgb(7, 207, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6708, 0.3006, 0.5995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 207, 0) }
```

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

```
.background{ background-color: rgb(7, 207,  
0) }
```

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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