

Converting Colors

$Yxy(68.3736, 0.3006, 0.5995)$

Have a look what the booklet for
Yxy(68.3736, 0.3006, 0.5995)
contains.

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Color

Yxy(68.4357, 0.3006, 0.5995)

Conversions

Conversions Part 1

Format	Color
Hex	0AFA00
RGB	10, 250, 0
RGB Percent	4%, 98%, 0%
CMY	0.9593, 0.0196, 0.9994
CMYK	0.96, 0.00, 1.00, 0.02
HSL	118°, 100%, 49%
HSV	118°, 100%, 98%
XYZ	34.3149, 68.4357, 11.4040
YIQ	149.7400, -62.7900, -128.6300

Conversions

Conversions Part 2

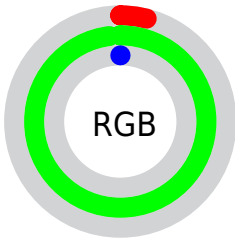
Format	Color
RYB	0, 250, 240
Decimal	719360
CIELab	86.22, -84.59, 81.97
CIELCh	86, 117.794, 135.901
Yxy	68.4357, 0.3006, 0.5995
Android (android.graphics.Color)	4278909440 (0xFF0AFA00)
YUV	149.7400, -73.8218, -122.5520
Hunter-Lab	82.7259, -70.7281, 49.7348

Details

The Yxy color **68.4357, 0.3006, 0.5995** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **25.3886, 0.3105, 0.1484**, and the grayscale version is **30.7821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2684, 0.3155, 0.5301**, and **37.6993, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **68.4373, 0.3006, 0.5995**, and if you desaturate by 10%, it is **68.7883, 0.3015, 0.5921**.

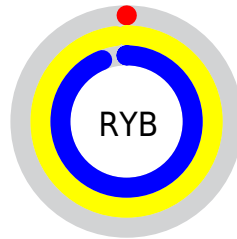
Distribution



Red (4%)

Green (98%)

Blue (0%)



Red (0%)

Yellow (98%)

Blue (94%)

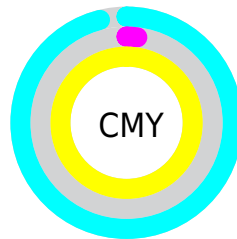


Cyan (96%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (96%)


Magenta (2%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.4357, 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 68.4357, 0.3006, 0.5995 by changing the saturation by 10% instead.


 68.4357, 0.3006,
0.5995


 68.4357, 0.3006,
0.5995


455.0382, 0.3197,
0.4646


 50.2523, 0.2921,
0.6299


 116.9752, 0.3105,
0.5523


 35.6139, 0.2794,
0.6662


 148.1001, 0.3134,
0.5339


 24.1361, 0.2603,
0.7089


 184.3076, 0.3154,
0.5181

 15.4346, 0.2337,
0.7663

 225.9821, 0.3169,
0.5045

 9.1250, 0.1878,
0.8122

 273.5081, 0.3180,
0.4926

 4.8228, 0.1258,
0.8742

 327.2698, 0.3187,

 2.1437, 0.0000,

0.4821

1.0000

387.6517, 0.3193,
0.4728

■ 0.6890, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 68.4357, 0.3006,
0.5995

■ 68.4357, 0.3006,
0.5995

■ 68.4373, 0.3006,
0.5995

■ 68.7883, 0.3015,
0.5921


■ 69.5125, 0.3030,
0.5765


■ 70.6892, 0.3046,
0.5526


■ 72.3762, 0.3063,
0.5219

 74.6226, 0.3079,
0.4873

 77.4717, 0.3093,
0.4514

 80.9629, 0.3104,
0.4165

 85.1317, 0.3114,
0.3840

 90.0115, 0.3122,
0.3547

Harmonies

Analogous

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



68.4357, 0.4189, 0.5537



68.4357, 0.3006, 0.5995



68.4357, 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.



68.4357, 0.3006, 0.5995



68.4357, 0.1168, 0.1503



68.4357, 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.



68.4357, 0.3006, 0.5995



25.3886, 0.3105, 0.1484

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.



68.4357, 0.4117, 0.2169



68.4357, 0.3006, 0.5995



68.4357, 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.



68.4357, 0.3006, 0.5995



68.4357, 0.1017, 0.1983



68.4357, 0.2668, 0.1657



68.4357, 0.5790, 0.3651

Rectangle

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



68.4357, 0.3006, 0.5995



68.4357, 0.1390, 0.3697



68.4357, 0.2668, 0.1657



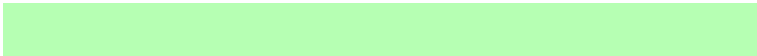
68.4357, 0.5064, 0.2626

Sweetspot

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



68.4385, 0.3006, 0.5995



84.6552, 0.3104, 0.4168



81.1869, 0.4285, 0.4980



17.7723, 0.3100, 0.4313



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.



68.4385, 0.3006, 0.5995



71.5875, 0.3006, 0.5995



69.5550, 0.2779, 0.5204



19.3431, 0.3122, 0.3535



36.3162, 0.3008, 0.5993



3.3751, 0.3030, 0.5977

Inverse Universe

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



25.3886, 0.3105, 0.1484



26.5515, 0.3105, 0.1484



22.1497, 0.4782, 0.2408



17.4862, 0.3131, 0.3056



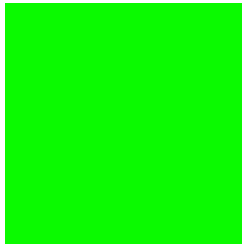
13.4808, 0.3107, 0.1485



1.2595, 0.3120, 0.1492

Previews

White Background



This preview shows how the Yxy color 68.4357, 0.3006, 0.5995 looks on a white background.

Color Contrast Check

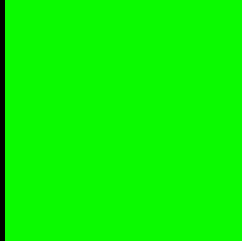
Large Text (above 18pt) WCAG AA × Fail

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 68.4357, 0.3006, 0.5995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

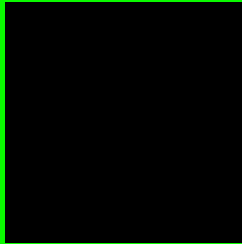
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

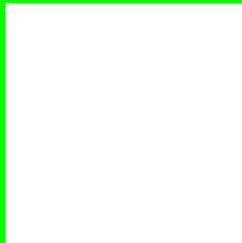
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.4357, 0.3006, 0.5995

Background



This preview shows how black text looks on a background with the Yxy color 68.4357, 0.3006, 0.5995.



This preview shows how white text looks on a background with the Yxy color 68.4357, 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

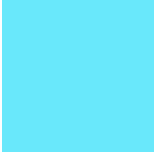
68.4357, 0.3006, 0.5995

Protanopia

66.7939, 0.4409, 0.4882

Deuteranopia

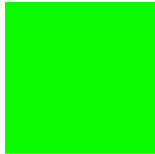
66.8578, 0.4126, 0.4121



Tritanopia

67.6815, 0.2353, 0.3058

Trichromacy



Original Color

68.4357, 0.3006, 0.5995



Protanomaly

62.1063, 0.3652, 0.5482



Deuteranomaly

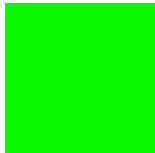
60.9141, 0.3574, 0.5032



Tritanomaly

65.6107, 0.2667, 0.4396

Monochromacy



Original Color

68.4357, 0.3006, 0.5995



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

38.6150, 0.3077, 0.4788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.4357, 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(10, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(10, 250, 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(10, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 250, 0) }
```

Border

The CSS property to change the border of an element to Yxy 68.4357, 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(10, 250, 0) }
```

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

```
.border{ border-color:rgb(10, 250, 0) }
```

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

Here you see how a box with a 4 pixel rgb(10, 250, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(10, 250, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 68.4357, 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(10, 250, 0) }
```

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

```
.background{ background-color: rgb(10, 250,  
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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