

Converting Colors

$Y_{xy}(70.2560, 0.3005, 0.5995)$

Have a look what the booklet for
Yxy(70.2560, 0.3005, 0.5995)
contains.

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Color

Yxy(70.3108, 0.3005, 0.5994)

Conversions

Conversions Part 1

Format	Color
Hex	0AFD01
RGB	10, 253, 1
RGB Percent	4%, 99%, 0%
CMY	0.9622, 0.0079, 0.9960
CMYK	0.96, 0.00, 1.00, 0.01
HSL	118°, 99%, 50%
HSV	118°, 100%, 99%
XYZ	35.2492, 70.3108, 11.7419
YIQ	151.6150, -63.9360, -129.8880

Conversions

Conversions Part 2

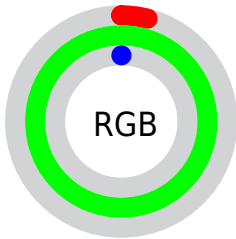
Format	Color
RYB	1, 253, 244
Decimal	720129
CIELab	87.15, -85.38, 82.65
CIELCh	87, 118.826, 135.931
Yxy	70.3108, 0.3005, 0.5994
Android (android.graphics.Color)	4278910209 (0xFF0AFD01)
YUV	151.6150, -74.2532, -124.1964
Hunter-Lab	83.8515, -71.7029, 50.3936

Details

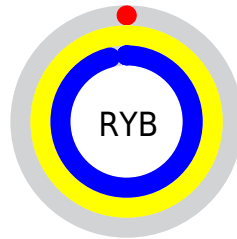
The Yxy color **70.3108, 0.3005, 0.5994** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark saturated green. A complement of this color would be **26.4174, 0.3123, 0.1495**, and the grayscale version is **31.5225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3577, 0.3156, 0.5288**, and **38.5836, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **70.3051, 0.3005, 0.5996**, and if you desaturate by 10%, it is **70.6666, 0.3014, 0.5919**.

Distribution



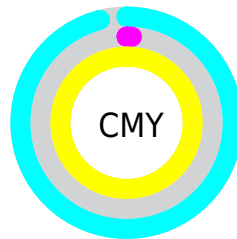
- Red (4%)
- Green (99%)
- Blue (0%)



- Red (0%)
- Yellow (99%)
- Blue (96%)



- Cyan (96%)
- Magenta (0%)
- Yellow (100%)
- Black (1%)





- Cyan (96%)
- Magenta (1%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3108, 0.3005, 0.5994 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 70.3108, 0.3005, 0.5994 by changing the saturation by 10% instead.

 70.3108, 0.3005,
0.5994

 70.3108, 0.3005,
0.5994

461.6405, 0.3196,
0.4652


 51.7800, 0.2921,
0.6295


 119.6519, 0.3104,
0.5526


 36.8297, 0.2796,
0.6654


 151.2309, 0.3132,
0.5343

 25.0757, 0.2608,
0.7076

 187.9281, 0.3153,
0.5186

 16.1334, 0.2351,
0.7649

 230.1278, 0.3168,
0.5050

 9.6186, 0.1901,
0.8099

 278.2146, 0.3178,
0.4931

 5.1468, 0.1305,
0.8695


 332.5727, 0.3186,

 2.3337, 0.0000,


0.4826


1.0000


393.5865, 0.3192,
0.4734


 0.7914, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.3108, 0.3005,
0.5994

 70.3108, 0.3005,
0.5994

 70.3051, 0.3005,
0.5996

 70.6666, 0.3014,
0.5919


 71.4086, 0.3027,
0.5762


 72.6204, 0.3042,
0.5520

 74.3623, 0.3059,
0.5212

 76.6858, 0.3075,
0.4864

 79.6362, 0.3089,
0.4504

 83.2543, 0.3102,
0.4155

 87.5776, 0.3112,
0.3830

 92.6406, 0.3121,
0.3538

Harmonies

Analogous

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



70.3108, 0.4187, 0.5537



70.3108, 0.3005, 0.5994



70.3108, 0.1907, 0.4936

Triad

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



70.3108, 0.3005, 0.5994



70.3108, 0.1168, 0.1503



70.3108, 0.5423, 0.2873

Complementary

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



70.3108, 0.3005, 0.5994



26.4174, 0.3123, 0.1495

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.



70.3108, 0.4119, 0.2170



70.3108, 0.3005, 0.5994



70.3108, 0.1679, 0.1429

Square

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



70.3108, 0.3005, 0.5994



70.3108, 0.1017, 0.1983



70.3108, 0.2669, 0.1658



70.3108, 0.5789, 0.3652

Rectangle

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



70.3108, 0.3005, 0.5994



70.3108, 0.1390, 0.3695



70.3108, 0.2669, 0.1658



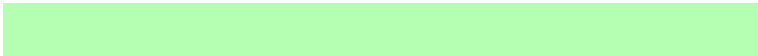
70.3108, 0.5065, 0.2627

Sweetspot

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



70.3137, 0.3005, 0.5994



84.5919, 0.3101, 0.4169



83.4402, 0.4284, 0.4979



17.7580, 0.3096, 0.4314



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.



70.3137, 0.3005, 0.5994



71.5762, 0.3005, 0.5996



71.4803, 0.2778, 0.5198



20.1977, 0.3121, 0.3535



37.4129, 0.3007, 0.5994



3.6527, 0.3024, 0.5981

Inverse Universe

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



26.4174, 0.3123, 0.1495



26.8654, 0.3122, 0.1494



22.7866, 0.4776, 0.2407



18.2669, 0.3133, 0.3056



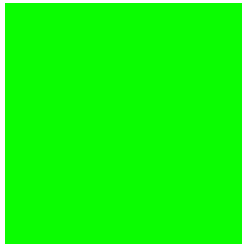
14.0519, 0.3124, 0.1495



1.3777, 0.3134, 0.1500

Previews

White Background



This preview shows how the Yxy color 70.3108, 0.3005, 0.5994 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 70.3108, 0.3005, 0.5994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

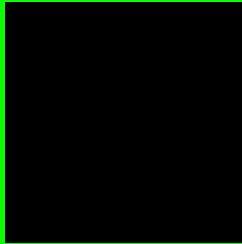
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

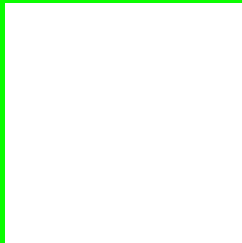
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.3108, 0.3005, 0.5994

Background



This preview shows how black text looks on a background with the Yxy color 70.3108, 0.3005, 0.5994.



This preview shows how white text looks on a background with the Yxy color 70.3108, 0.3005, 0.5994.

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

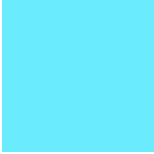
70.3173, 0.3005, 0.5994

Protanopia

68.8588, 0.4406, 0.4884

Deuteranopia

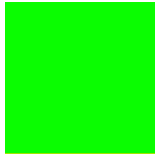
68.6385, 0.4027, 0.4036



Tritanopia

69.6366, 0.2353, 0.3060

Trichromacy



Original Color

70.3173, 0.3005, 0.5994



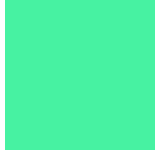
Protanomaly

63.9646, 0.3651, 0.5483



Deuteranomaly

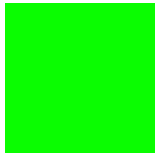
62.6455, 0.3528, 0.4980



Tritanomaly

67.4525, 0.2665, 0.4398

Monochromacy



Original Color

70.3173, 0.3005, 0.5994



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

39.9676, 0.3076, 0.4801

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3108, 0.3005, 0.5994 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, 253, 1)` looks like.

```
.text, #text, p{  
    color:rgb(10, 253, 1)  
}
```

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, 253, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 253, 1) }
```

Border

The CSS property to change the border of an element to Yxy 70.3108, 0.3005, 0.5994 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, 253, 1) }
```

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

```
.border{ border-color:rgb(10, 253, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 253, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 253, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 253, 1);  
box-shadow:4px 4px 4px 4px rgb(10, 253, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 70.3108, 0.3005, 0.5994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 253, 1) }
```

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

```
.background{ background-color: rgb(10, 253,  
1) }
```

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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