

Converting Colors

$Y_{xy}(70.0766, 0.3093, 0.5926)$

Have a look what the booklet for
Yxy(70.0766, 0.3093, 0.5926)
contains.

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Color

Yxy(70.0511, 0.3092, 0.5927)

Conversions

Conversions Part 1

Format	Color
Hex	3FFB00
RGB	63, 251, 0
RGB Percent	25%, 98%, 0%
CMY	0.7532, 0.0157, 0.9999
CMYK	0.75, 0.00, 1.00, 0.02
HSL	105°, 100%, 49%
HSV	105°, 100%, 98%
XYZ	36.5443, 70.0511, 11.5944
YIQ	166.1740, -31.4770, -117.9170

Conversions

Conversions Part 2

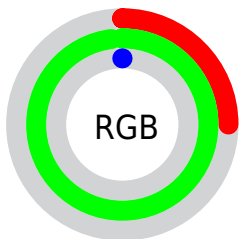
Format	Color
RYB	0, 251, 188
Decimal	4193024
CIELab	87.02, -80.48, 82.83
CIELCh	87, 115.489, 134.177
Yxy	70.0511, 0.3092, 0.5927
Android (android.graphics.Color)	4282383104 (0xFF3FFB00)
YUV	166.1740, -81.9238, -90.4836
Hunter-Lab	83.6965, -68.5308, 50.3742

Details

The Yxy color **70.0511, 0.3092, 0.5927** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **17.6670, 0.2570, 0.1190**, and the grayscale version is **38.6321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8682, 0.3256, 0.5227**, and **38.1399, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **70.0537, 0.3092, 0.5927**, and if you desaturate by 10%, it is **70.8525, 0.3137, 0.5828**.

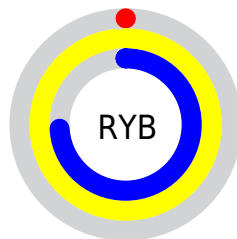
Distribution



Red (25%)

Green (98%)

Blue (0%)



Red (0%)

Yellow (98%)

Blue (74%)

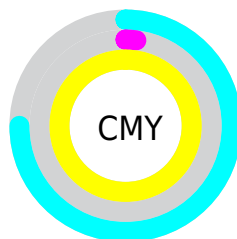


Cyan (75%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (75%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.0511, 0.3092, 0.5927 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 70.0511, 0.3092, 0.5927 by changing the saturation by 10% instead.


 70.0511, 0.3092,
0.5927


 70.0511, 0.3092,
0.5927


460.7294, 0.3240,
0.4626

 51.5682, 0.3017,
0.6217


 119.2816, 0.3176,
0.5475


 36.6610, 0.2904,
0.6561


 150.7980, 0.3199,
0.5298

 24.9451, 0.2730,
0.6966


 187.4277, 0.3214,
0.5145

 16.0362, 0.2488,
0.7512

 229.5551, 0.3225,
0.5013

 9.5498, 0.2054,
0.7946

 277.5646, 0.3232,
0.4897

 5.1015, 0.1470,
0.8530


 331.8405, 0.3236,

 2.3069, 0.0000,


0.4796


1.0000


392.7673, 0.3239,
0.4706

 0.7774, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.0511, 0.3092,
0.5927

 70.0511, 0.3092,
0.5927


 70.0537, 0.3092,
0.5927

 70.8525, 0.3137,
0.5828


 71.9725, 0.3177,
0.5659


 73.4593, 0.3206,
0.5421

 75.3453, 0.3222,
0.5130

 77.6591, 0.3226,
0.4805

 80.4264, 0.3219,
0.4470

 83.6708, 0.3203,
0.4141

 87.4141, 0.3181,
0.3831

 91.6767, 0.3155,
0.3546

Harmonies

Analogous

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



70.0511, 0.4251, 0.5449



70.0511, 0.3092, 0.5927



70.0511, 0.1996, 0.4983

Triad

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



70.0511, 0.3092, 0.5927



70.0511, 0.1184, 0.1553



70.0511, 0.5312, 0.2846

Complementary

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



70.0511, 0.3092, 0.5927



17.6670, 0.2570, 0.1190

Split Complementary

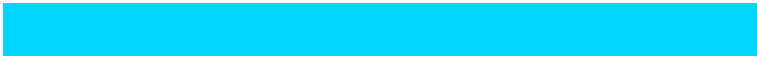
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.0511, 0.4008, 0.2158



70.0511, 0.3092, 0.5927



70.0511, 0.1667, 0.1457

Square

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



70.0511, 0.3092, 0.5927



70.0511, 0.1054, 0.2061



70.0511, 0.2611, 0.1667



70.0511, 0.5740, 0.3616

Rectangle

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



70.0511, 0.3092, 0.5927



70.0511, 0.1464, 0.3792



70.0511, 0.2611, 0.1667



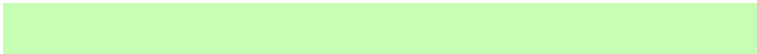
70.0511, 0.4944, 0.2604

Sweetspot

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



70.0540, 0.3092, 0.5927



86.7169, 0.3203, 0.4142



54.8231, 0.4771, 0.4594



18.2442, 0.3210, 0.4279



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.



70.0540, 0.3092, 0.5927



72.6078, 0.3092, 0.5927



69.3106, 0.2935, 0.5767



19.5194, 0.3154, 0.3533



36.8780, 0.3101, 0.5920



3.4634, 0.3182, 0.5855

Inverse Universe

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



17.6670, 0.2570, 0.1190



18.3048, 0.2570, 0.1189



24.3363, 0.3919, 0.1933



17.2926, 0.3098, 0.3053



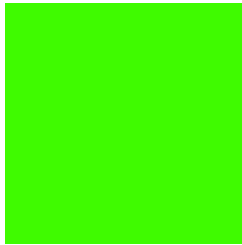
9.3579, 0.2581, 0.1195



0.9166, 0.2659, 0.1238

Previews

White Background



This preview shows how the Yxy color 70.0511, 0.3092, 0.5927 looks on a white background.

Color Contrast Check

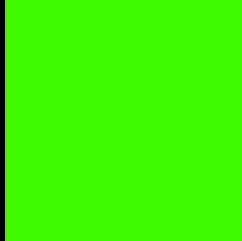
Large Text (above 18pt) WCAG AA × Fail

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 70.0511, 0.3092, 0.5927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

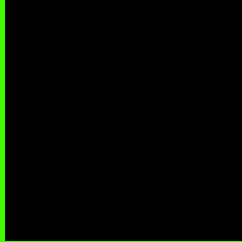
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.0511, 0.3092, 0.5927

Background



This preview shows how black text looks on a background with the Yxy color 70.0511, 0.3092, 0.5927.



This preview shows how white text looks on a background with the Yxy color 70.0511, 0.3092, 0.5927.

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

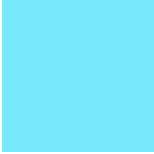
70.0511, 0.3092, 0.5927

Protanopia

68.1664, 0.4407, 0.4883

Deuteranopia

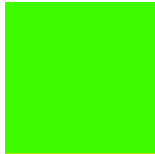
68.1210, 0.4039, 0.4036



Tritanopia

69.2992, 0.2406, 0.3062

Trichromacy



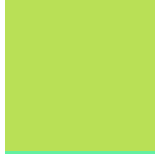
Original Color

70.0511, 0.3092, 0.5927



Protanomaly

65.5036, 0.3799, 0.5366



Deuteranomaly

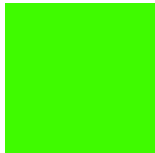
64.2975, 0.3682, 0.4897



Tritanomaly

67.5109, 0.2766, 0.4378

Monochromacy



Original Color

70.0511, 0.3092, 0.5927



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

45.6402, 0.3225, 0.4655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.0511, 0.3092, 0.5927 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(63, 251, 0)` looks like.

```
.text, #text, p{  
    color:rgb(63, 251, 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(63, 251, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 251, 0) }
```

Border

The CSS property to change the border of an element to Yxy 70.0511, 0.3092, 0.5927 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(63, 251, 0) }
```

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

```
.border{ border-color:rgb(63, 251, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 251, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 251, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 251, 0);  
box-shadow:4px 4px 4px 4px rgb(63, 251, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 70.0511, 0.3092, 0.5927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 251, 0) }
```

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

```
.background{ background-color: rgb(63, 251,  
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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