

# Converting Colors

Yxy(71.8633, 0.3294, 0.5767)

Have a look what the booklet for  
Yxy(71.8633, 0.3294, 0.5767)  
contains.

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**Color**

**Yxy(71.9486, 0.3295, 0.5765)**

# Conversions

Conversions Part 1	
Format	Color
Hex	72FA00
RGB	114, 250, 0
RGB Percent	45%, 98%, 0%
CMY	0.5531, 0.0196, 0.9983
CMYK	0.54, 0.00, 1.00, 0.02
HSL	93°, 100%, 49%
HSV	93°, 100%, 98%
XYZ	41.1224, 71.9486, 11.7314
YIQ	180.8360, -0.8060, -106.5820

# Conversions

## Conversions Part 2

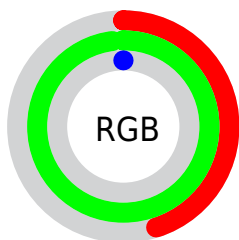
Format	Color
<a href="#">RYB</a>	<a href="#">0, 250, 136</a>
Decimal	<a href="#">7535104</a>
CIELab	<a href="#">87.94, -69.87, 84.04</a>
CIELCh	<a href="#">88, 109.293, 129.737</a>
Yxy	<a href="#">71.9486, 0.3295, 0.5765</a>
Android (android.graphics.Color)	<a href="#">4285725184</a> (0xFF72FA00)
YUV	<a href="#">180.8360, -89.1521, -58.6152</a>
Hunter-Lab	<a href="#">84.8225, -61.9017, 51.1756</a>

# Details

The Yxy color **71.9486, 0.3295, 0.5765** is a dark color, and the websafe version is hex **66FF00**. The color can be described as dark saturated chartreuse. A complement of this color would be **12.1871, 0.2098, 0.0930**, and the grayscale version is **46.6289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7577, 0.3487, 0.5086**, and **38.0394, 0.3055, 0.5956** is the 20% darker color. If you saturate the color by 10%, you get **71.9349, 0.3294, 0.5767**, and if you desaturate by 10%, it is **73.0054, 0.3350, 0.5661**.

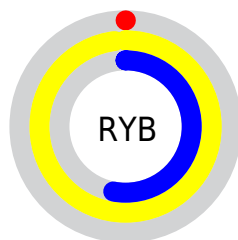
# Distribution



Red (45%)

Green (98%)

Blue (0%)



Red (0%)

Yellow (98%)

Blue (53%)

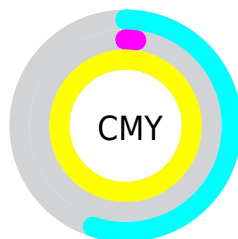


Cyan (54%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (55%)

Magenta (2%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9486, 0.3295, 0.5765 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 71.9486, 0.3295, 0.5765 by changing the saturation by 10% instead.





 71.9486, 0.3295,  
0.5765

 71.9486, 0.3295,  
0.5765


 467.3627, 0.3343,  
0.4570

 53.1167, 0.3244,  
0.6025


 121.9834, 0.3343,  
0.5355


 37.8959, 0.3161,  
0.6331


 153.9552, 0.3352,  
0.5193

 25.9019, 0.3025,  
0.6687


 191.0756, 0.3356,  
0.5053

 16.7503, 0.2834,  
0.7166

 233.7292, 0.3356,  
0.4931

 10.0566, 0.2455,  
0.7545

 282.3003, 0.3355,  
0.4823

 5.4365, 0.1929,  
0.8071


 337.1733, 0.3351,


 2.5056, 0.0679,


0.4729


0.9321


398.7327, 0.3347,  
0.4645

 0.8794, 0.0000,  
1.0000

 0.0000, 0.0000,  
0.0000

 71.9486, 0.3295,  
0.5765

 71.9486, 0.3295,  
0.5765

 71.9349, 0.3294,  
0.5767


 73.0054, 0.3350,  
0.5661


 74.2918, 0.3390,  
0.5500


 75.8432, 0.3410,  
0.5282

 77.6815, 0.3408,  
0.5018

 79.8254, 0.3387,  
0.4723

 82.2918, 0.3350,  
0.4416

 85.0962, 0.3302,  
0.4110

 88.2528, 0.3246,  
0.3815

 91.7750, 0.3187,  
0.3539

# Harmonies

## Analogous

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



71.9486, 0.4393, 0.5245



71.9486, 0.3295, 0.5765



71.9486, 0.2212, 0.5075

# Triad

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



71.9486, 0.3295, 0.5765



71.9486, 0.1224, 0.1678



71.9486, 0.5040, 0.2778

# Complementary

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



71.9486, 0.3295, 0.5765



12.1871, 0.2098, 0.0930

# 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.



71.9486, 0.3754, 0.2128



71.9486, 0.3295, 0.5765



71.9486, 0.1640, 0.1529

# Square

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



71.9486, 0.3295, 0.5765



71.9486, 0.1150, 0.2256



71.9486, 0.2480, 0.1689



71.9486, 0.5607, 0.3522



# Rectangle

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



71.9486, 0.3295, 0.5765



71.9486, 0.1649, 0.4015



71.9486, 0.2480, 0.1689



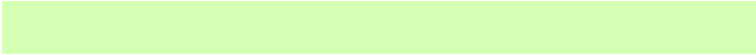
71.9486, 0.4658, 0.2546

# Sweetspot

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



71.9517, 0.3295, 0.5765



88.9450, 0.3303, 0.4116



37.2496, 0.5332, 0.4147



18.7641, 0.3324, 0.4244



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.



71.9517, 0.3295, 0.5765



75.2323, 0.3293, 0.5767



68.3983, 0.2996, 0.5985



19.6958, 0.3185, 0.3530



38.2367, 0.3306, 0.5757



3.6035, 0.3398, 0.5684



# Inverse Universe

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



12.1871, 0.2098, 0.0930



12.7099, 0.2095, 0.0928



26.7270, 0.3296, 0.1590



17.1092, 0.3065, 0.3051



6.5369, 0.2113, 0.0937

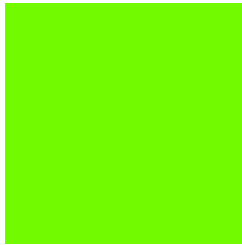


0.6684, 0.2236, 0.1005



# Previews

## White Background



This preview shows how the Yxy color 71.9486, 0.3295, 0.5765 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

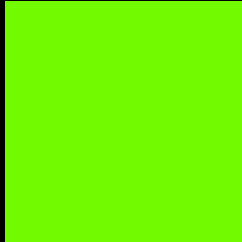
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.9486, 0.3295, 0.5765 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

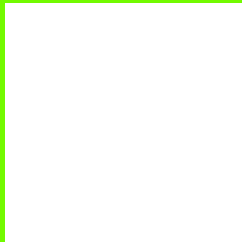
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.9486, 0.3295, 0.5765**

## Background



This preview shows how black text looks on a background with the Yxy color 71.9486, 0.3295, 0.5765.



This preview shows how white text looks on a background with the Yxy color 71.9486, 0.3295, 0.5765.

# 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

71.9486, 0.3295, 0.5765

### Protanopia

70.4372, 0.4412, 0.4879

### Deuteranopia

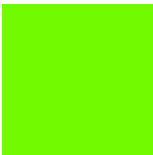
70.4536, 0.3935, 0.3958



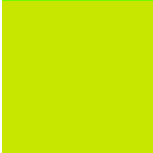
## Tritanopia

71.1623, 0.2537, 0.3069

# Trichromacy



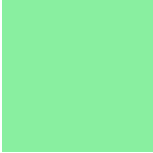
**Original Color**  
71.9486, 0.3295, 0.5765



**Protanomaly**  
68.7357, 0.3954, 0.5242

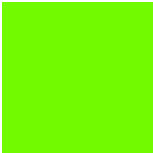


**Deuteranomaly**  
68.0382, 0.3784, 0.4757



**Tritanomaly**  
69.5894, 0.2947, 0.4314

# Monochromacy



**Original Color**  
71.9486, 0.3295, 0.5765



**Achromatopsia**  
46.2077, 0.3127, 0.3290



**Achromatomaly**  
52.5485, 0.3370, 0.4533

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.9486, 0.3295, 0.5765 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(114, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(114, 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(114, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 250, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 71.9486, 0.3295, 0.5765 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(114, 250, 0) }
```

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

```
.border{ border-color:rgb(114, 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(114, 250, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(114, 250,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.9486, 0.3295, 0.5765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 250, 0) }
```

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

```
.background{ background-color: rgb(114,  
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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