

# Converting Colors

$Yxy(66.8067, 0.3001, 0.5983)$

Have a look what the booklet for  
Yxy(66.8067, 0.3001, 0.5983)  
contains.

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**Color**

**Yxy(66.5907, 0.3001, 0.5982)**

# Conversions

## Conversions Part 1

Format	Color
Hex	08F708
RGB	8, 247, 8
RGB Percent	3%, 97%, 3%
CMY	0.9677, 0.0314, 0.9687
CMYK	0.97, 0.00, 0.97, 0.03
HSL	120°, 94%, 50%
HSV	120°, 97%, 97%
XYZ	33.4067, 66.5907, 11.3211
YIQ	148.2930, -65.7250, -124.9970

# Conversions

## Conversions Part 2

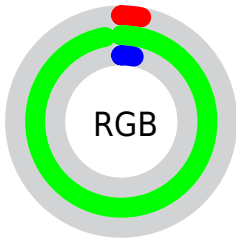
<b>Format</b>	<b>Color</b>
<b>RYB</b>	8, 247, 247
Decimal	587528
CIELab	85.30, -83.76, 80.60
CIELCh	85, 116.248, 136.102
Yxy	66.5907, 0.3001, 0.5982
Android (android.graphics.Color)	4278777608 (0xFF08F708)
YUV	148.2930, -69.1644, -123.0370
Hunter-Lab	81.6031, -69.7312, 48.8967

# Details

The Yxy color **66.5907, 0.3001, 0.5982** 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 **26.6212, 0.3206, 0.1548**, and the grayscale version is **30.0893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.2146, 0.3147, 0.5294**, and **36.3952, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **66.5244, 0.3000, 0.6000**, and if you desaturate by 10%, it is **66.9527, 0.3005, 0.5891**.

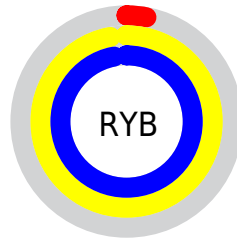
# Distribution



Red (3%)

Green (97%)

Blue (3%)



Red (3%)

Yellow (97%)

Blue (97%)

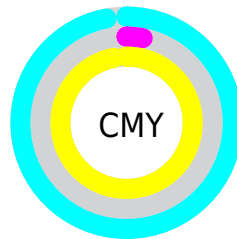


Cyan (97%)

Magenta (0%)

Yellow (97%)

Black (3%)



Cyan (97%)

Magenta (3%)


Yellow (97%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.5907, 0.3001, 0.5982 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 66.5907, 0.3001, 0.5982 by changing the saturation by 10% instead.





 66.5907, 0.3001,  
0.5982


 66.5907, 0.3001,  
0.5982


448.4865, 0.3192,  
0.4632


 48.7521, 0.2915,  
0.6289


 114.3337, 0.3100,  
0.5508


 34.4229, 0.2788,  
0.6656

 145.0069, 0.3129,  
0.5323

 23.2186, 0.2594,  
0.7091


 180.7271, 0.3150,  
0.5165

 14.7550, 0.2324,  
0.7676

 221.8786, 0.3164,  
0.5029

 8.6476, 0.1855,  
0.8145

 268.8460, 0.3175,  
0.4910

 4.5121, 0.1203,  
0.8797


 322.0134, 0.3183,

 1.9639, 0.0000,

0.4806

1.0000

381.7655, 0.3188,  
0.4714


 0.5864, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 66.5907, 0.3001,  
0.5982


 66.5907, 0.3001,  
0.5982

 66.5244, 0.3000,  
0.6000


 66.9527, 0.3005,  
0.5891


 67.7092, 0.3014,  
0.5712


 68.9388, 0.3026,  
0.5449

 70.7017, 0.3042,  
0.5125

 73.0490, 0.3058,  
0.4769

 76.0261, 0.3075,  
0.4408

 79.6737, 0.3091,  
0.4062

 84.0293, 0.3106,  
0.3744

 89.1274, 0.3119,  
0.3461

# Harmonies

## Analogous

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



66.5907, 0.4181, 0.5537



66.5907, 0.3001, 0.5982



66.5907, 0.1906, 0.4918

# Triad

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



66.5907, 0.3001, 0.5982



66.5907, 0.1175, 0.1507



66.5907, 0.5420, 0.2880

# Complementary

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



66.5907, 0.3001, 0.5982



26.6212, 0.3206, 0.1548

# 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.



66.5907, 0.4124, 0.2177



66.5907, 0.3001, 0.5982



66.5907, 0.1687, 0.1434

# Square

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



66.5907, 0.3001, 0.5982



66.5907, 0.1022, 0.1983



66.5907, 0.2678, 0.1664



66.5907, 0.5780, 0.3658



# Rectangle

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



66.5907, 0.3001, 0.5982



66.5907, 0.1392, 0.3684



66.5907, 0.2678, 0.1664



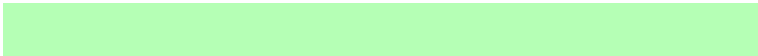
66.5907, 0.5065, 0.2634

# Sweetspot

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



66.5935, 0.3001, 0.5982



84.6968, 0.3088, 0.4139



83.9044, 0.4217, 0.5022



17.7661, 0.3081, 0.4286



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.



66.5935, 0.3001, 0.5982



71.5216, 0.3000, 0.6000



68.0174, 0.2737, 0.5036



18.4728, 0.3116, 0.3535



35.1822, 0.3000, 0.6000



3.0924, 0.3001, 0.5999



# Inverse Universe

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



26.6212, 0.3206, 0.1548



28.4327, 0.3207, 0.1540



21.5999, 0.4852, 0.2462



16.7675, 0.3138, 0.3057



13.9866, 0.3207, 0.1540

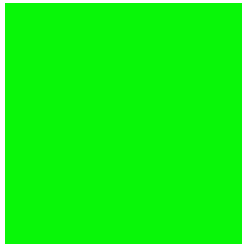


1.2296, 0.3207, 0.1540



# Previews

## White Background



This preview shows how the Yxy color 66.5907, 0.3001, 0.5982 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 66.5907, 0.3001, 0.5982 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

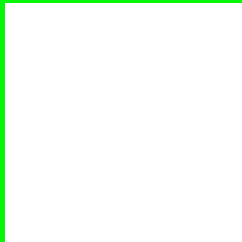
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.5907, 0.3001, 0.5982**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.5907, 0.3001, 0.5982.



This preview shows how white text looks on a background with the Yxy color 66.5907, 0.3001, 0.5982.

# 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

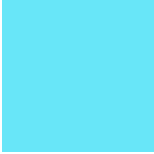
66.5907, 0.3001, 0.5982

### Protanopia

64.7657, 0.4411, 0.4879

### Deuteranopia

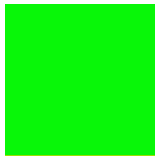
64.6709, 0.4230, 0.4191



## **Tritanopia**

66.3140, 0.2357, 0.3067

# Trichromacy



## Original Color

66.5907, 0.3001, 0.5982



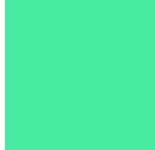
## Protanomaly

60.1879, 0.3643, 0.5483



## Deuteranomaly

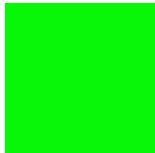
58.6366, 0.3604, 0.5053



## Tritanomaly

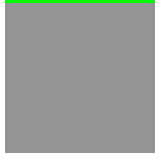
63.8293, 0.2650, 0.4351

# Monochromacy



## Original Color

66.5907, 0.3001, 0.5982



## Achromatopsia

29.6138, 0.3127, 0.3290



## Achromatomaly

37.6854, 0.3058, 0.4757

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.5907, 0.3001, 0.5982 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(8, 247, 8)` looks like.

```
.text, #text, p{  
    color:rgb(8, 247, 8)  
}
```

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(8, 247, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 247, 8) }
```

## Border

The CSS property to change the border of an element to Yxy 66.5907, 0.3001, 0.5982 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(8, 247, 8) }
```

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

```
.border{ border-color:rgb(8, 247, 8) }
```

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

Here you see how a box with a 4 pixel rgb(8, 247, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 247, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(8, 247, 8); box-shadow:4px  
4px 4px 4px rgb(8, 247, 8) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.5907, 0.3001, 0.5982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 247, 8) }
```

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

```
.background{ background-color: rgb(8, 247,  
8) }
```

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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