

# Converting Colors

$Y_{xy}(71.6740, 0.3257, 0.5732)$

Have a look what the booklet for  
Yxy(71.6740, 0.3257, 0.5732)  
contains.

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**Color**

**Yxy(71.7608, 0.3258, 0.5730)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EFA1A
RGB	110, 250, 26
RGB Percent	43%, 98%, 10%
CMY	0.5686, 0.0196, 0.8982
CMYK	0.56, 0.00, 0.90, 0.02
HSL	97°, 96%, 54%
HSV	97°, 90%, 98%
XYZ	40.8022, 71.7608, 12.6740
YIQ	182.6040, -11.5360, -99.3440

# Conversions

## Conversions Part 2

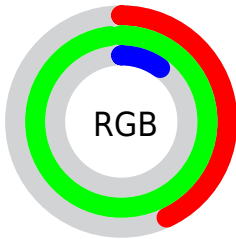
Format	Color
<a href="#">RYB</a>	<a href="#">26, 250, 166</a>
Decimal	<a href="#">7272986</a>
CIELab	<a href="#">87.85, -70.46, 81.41</a>
CIELCh	<a href="#">88, 107.664, 130.878</a>
Yxy	<a href="#">71.7608, 0.3258, 0.5730</a>
Android (android.graphics.Color)	<a href="#">4285463066 (0xFF6EFA1A)</a>
YUV	<a href="#">182.6040, -77.2058, -63.6737</a>
Hunter-Lab	<a href="#">84.7117, -62.2693, 50.4277</a>

# Details

The Yxy color **71.7608, 0.3258, 0.5730** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **15.7407, 0.2368, 0.1118**, and the grayscale version is **47.5602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4195, 0.3435, 0.5042**, and **37.8935, 0.3032, 0.5975** is the 20% darker color. If you saturate the color by 10%, you get **70.7763, 0.3204, 0.5836**, and if you desaturate by 10%, it is **73.0200, 0.3301, 0.5562**.

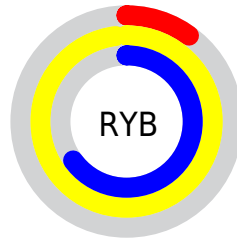
# Distribution



Red (43%)

Green (98%)

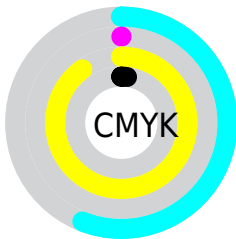
Blue (10%)



Red (10%)

Yellow (98%)

Blue (65%)

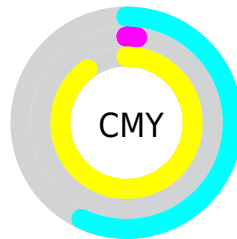


Cyan (56%)

Magenta (0%)

Yellow (90%)

Black (2%)



Cyan (57%)

Magenta (2%)


Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7608, 0.3258, 0.5730 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 71.7608, 0.3258, 0.5730 by changing the saturation by 10% instead.





 71.7608, 0.3258,  
0.5730

 71.7608, 0.3258,  
0.5730


466.7086, 0.3315,  
0.4543

 52.9633, 0.3208,  
0.5992


 121.7164, 0.3307,  
0.5320

 37.7735, 0.3125,  
0.6302


 153.6433, 0.3318,  
0.5159


 25.8069, 0.2992,  
0.6667


 190.7154, 0.3323,  
0.5020

 16.6793, 0.2804,  
0.7163

 233.3172, 0.3324,  
0.4899

 10.0061, 0.2430,  
0.7570

 281.8330, 0.3324,  
0.4793

 5.4030, 0.1900,  
0.8100


 336.6472, 0.3322,

 2.4856, 0.0599,

0.4700


0.9401

398.1443, 0.3319,  
0.4617


 0.8694, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 71.7608, 0.3258,  
0.5730


 71.7608, 0.3258,  
0.5730


 70.7763, 0.3204,  
0.5836


 73.0200, 0.3301,  
0.5562

 70.7428, 0.3202,  
0.5840


 74.5798, 0.3326,  
0.5332


 76.4678, 0.3332,  
0.5055


 78.7056, 0.3322,  
0.4747

 81.3126, 0.3297,  
0.4429

 84.3067, 0.3262,  
0.4113

 87.7043, 0.3219,  
0.3813

 91.5209, 0.3173,  
0.3535

 95.7711, 0.3125,  
0.3281

# Harmonies

## Analogous

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



71.7608, 0.4348, 0.5259



71.7608, 0.3258, 0.5730



71.7608, 0.2190, 0.4994

# Triad

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



71.7608, 0.3258, 0.5730



71.7608, 0.1251, 0.1683



71.7608, 0.5052, 0.2814

# Complementary

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



71.7608, 0.3258, 0.5730



15.7407, 0.2368, 0.1118

# 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.



71.7608, 0.3799, 0.2163



71.7608, 0.3258, 0.5730



71.7608, 0.1679, 0.1546

# Square

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



71.7608, 0.3258, 0.5730



71.7608, 0.1165, 0.2239



71.7608, 0.2530, 0.1717



71.7608, 0.5580, 0.3556



# Rectangle

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



71.7608, 0.3258, 0.5730



71.7608, 0.1642, 0.3944



71.7608, 0.2530, 0.1717



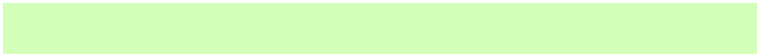
71.7608, 0.4684, 0.2582

# Sweetspot

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



71.7639, 0.3258, 0.5730



89.0655, 0.3251, 0.4034



46.9921, 0.4937, 0.4385



18.8166, 0.3265, 0.4139



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.



71.7639, 0.3258, 0.5730



73.9885, 0.3201, 0.5841



68.8420, 0.2967, 0.5796



19.6264, 0.3172, 0.3531



37.5979, 0.3213, 0.5831



3.5406, 0.3305, 0.5758



# Inverse Universe

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



15.7407, 0.2368, 0.1118



14.6255, 0.2271, 0.1024



26.4360, 0.3493, 0.1735



17.1803, 0.3078, 0.3052



7.5063, 0.2286, 0.1033

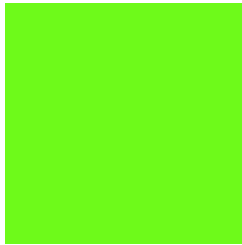


0.7557, 0.2395, 0.1093



# Previews

## White Background



This preview shows how the Yxy color 71.7608, 0.3258, 0.5730 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

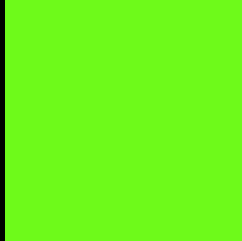
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.7608, 0.3258, 0.5730 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

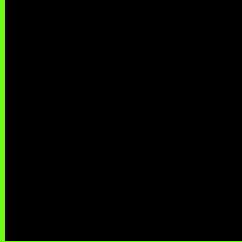
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

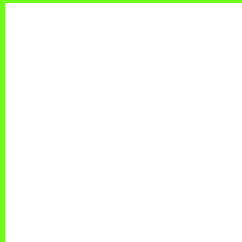
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 71.7608, 0.3258, 0.5730**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.7608, 0.3258, 0.5730.



This preview shows how white text looks on a background with the Yxy color 71.7608, 0.3258, 0.5730.

# 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

71.7608, 0.3258, 0.5730

### Protanopia

70.2800, 0.4396, 0.4873

### Deuteranopia

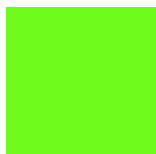
70.4223, 0.3942, 0.3968



## Tritanopia

70.8813, 0.2523, 0.3068

# Trichromacy



## Original Color

71.7608, 0.3258, 0.5730



## Protanomaly

68.5014, 0.3927, 0.5232



## Deuteranomaly

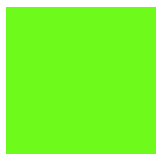
67.9086, 0.3729, 0.4693



## Tritanomaly

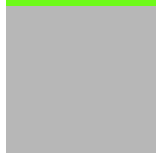
69.6659, 0.2883, 0.4197

# Monochromacy



## Original Color

71.7608, 0.3258, 0.5730



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

53.1999, 0.3291, 0.4400

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.7608, 0.3258, 0.5730 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(110, 250, 26)` looks like.

```
.text, #text, p{  
    color:rgb(110, 250, 26)  
}
```

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(110, 250, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 250, 26) }
```

## Border

The CSS property to change the border of an element to Yxy 71.7608, 0.3258, 0.5730 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(110, 250, 26) }
```

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

```
.border{ border-color:rgb(110, 250, 26) }
```

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

Here you see how a box with a 4 pixel rgb(110, 250, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 250, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 250, 26);  
box-shadow:4px 4px 4px 4px rgb(110, 250,  
26) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.7608, 0.3258, 0.5730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 250, 26) }
```

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

```
.background{ background-color: rgb(110,  
250, 26) }
```

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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