

# Converting Colors

Yxy(67.5762, 0.3174, 0.5430)

Have a look what the booklet for  
Yxy(67.5762, 0.3174, 0.5430)  
contains.

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**Color**

**Yxy(67.3137, 0.3176, 0.5423)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EF24A
RGB	110, 242, 74
RGB Percent	43%, 95%, 29%
CMY	0.5684, 0.0510, 0.7099
CMYK	0.55, 0.00, 0.69, 0.05
HSL	107°, 87%, 62%
HSV	107°, 69%, 95%
XYZ	39.4225, 67.3137, 17.3901
YIQ	183.3800, -24.7440, -80.2320

# Conversions

## Conversions Part 2

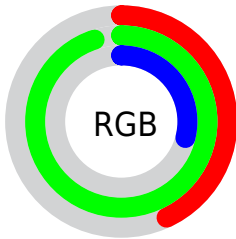
Format	Color
<a href="#">RYB</a>	<a href="#">74, 242, 206</a>
Decimal	<a href="#">7270986</a>
CIELab	<a href="#">85.66, -65.32, 66.77</a>
CIELCh	<a href="#">86, 93.403, 134.370</a>
Yxy	<a href="#">67.3137, 0.3176, 0.5423</a>
Android (android.graphics.Color)	<a href="#">4285461066</a> ( <a href="#">0xFF6EF24A</a> )
YUV	<a href="#">183.3800, -53.9243, -64.3543</a>
Hunter-Lab	<a href="#">82.0449, -57.8095, 44.8644</a>

# Details

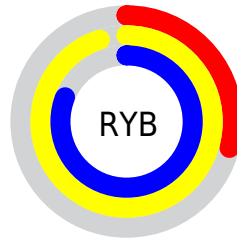
The Yxy color **67.3137, 0.3176, 0.5423** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle washed chartreuse. A complement of this color would be **24.4193, 0.2838, 0.1578**, and the grayscale version is **47.8931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9293, 0.3286, 0.4733**, and **35.0552, 0.3063, 0.5950** is the 20% darker color. If you saturate the color by 10%, you get **65.9590, 0.3148, 0.5667**, and if you desaturate by 10%, it is **69.0609, 0.3193, 0.5125**.

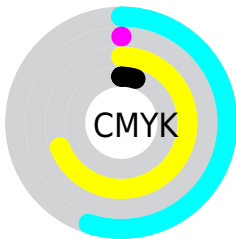
# Distribution



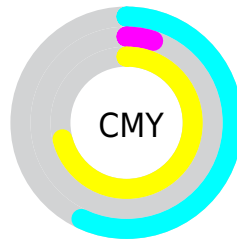
- Red (43%)
- Green (95%)
- Blue (29%)



- Red (29%)
- Yellow (95%)
- Blue (81%)



- Cyan (55%)
- Magenta (0%)
- Yellow (69%)
- Black (5%)




- Cyan (57%)
- Magenta (5%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.3137, 0.3176, 0.5423 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 67.3137, 0.3176, 0.5423 by changing the saturation by 10% instead.





 67.3137, 0.3176,  
0.5423


 67.3137, 0.3176,  
0.5423


451.0606, 0.3234,  
0.4356


 49.3396, 0.3136,  
0.5674


 115.3698, 0.3216,  
0.5044


 34.8890, 0.3071,  
0.5982


 146.2206, 0.3226,  
0.4898


 23.5773, 0.2965,  
0.6362


 182.1324, 0.3232,  
0.4774

 15.0204, 0.2787,  
0.6833

 223.4896, 0.3235,  
0.4667

 8.8337, 0.2512,  
0.7488

 270.6767, 0.3236,  
0.4574

 4.6329, 0.1967,  
0.8033

324.0779, 0.3236,

 2.0335, 0.0256,

0.4492

0.9744

384.0777, 0.3235,  
0.4420

0.6268, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

67.3137, 0.3176,  
0.5423

67.3137, 0.3176,  
0.5423

65.9590, 0.3148,  
0.5667

69.0609, 0.3193,  
0.5125

64.9561, 0.3111,  
0.5840


71.2204, 0.3199,  
0.4796


64.2650, 0.3071,  
0.5940


73.8205, 0.3196,  
0.4456

64.2328, 0.3069,  
0.5945

76.8844, 0.3185,  
0.4125

 80.4338, 0.3168,  
0.3815

 84.4890, 0.3148,  
0.3531

 89.0690, 0.3126,  
0.3276

 91.9842, 0.3133,  
0.3165

# Harmonies

## Analogous

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



67.3137, 0.4182, 0.5179



67.3137, 0.3176, 0.5423



67.3137, 0.2208, 0.4627

# Triad

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



67.3137, 0.3176, 0.5423



67.3137, 0.1429, 0.1796



67.3137, 0.4937, 0.2958

# Complementary

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



67.3137, 0.3176, 0.5423



24.4193, 0.2838, 0.1578

# 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.



67.3137, 0.3877, 0.2330



67.3137, 0.3176, 0.5423



67.3137, 0.1879, 0.1694

# Square

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



67.3137, 0.3176, 0.5423



67.3137, 0.1317, 0.2275



67.3137, 0.2716, 0.1884



67.3137, 0.5341, 0.3672



# Rectangle

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



67.3137, 0.3176, 0.5423



67.3137, 0.1725, 0.3716



67.3137, 0.2716, 0.1884



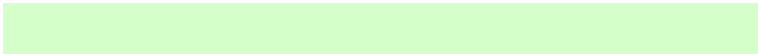
67.3137, 0.4635, 0.2735

# Sweetspot

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



67.3165, 0.3176, 0.5423



89.8960, 0.3171, 0.3864



63.3202, 0.4314, 0.4565



18.9980, 0.3176, 0.3948



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.



67.3165, 0.3176, 0.5423



73.8099, 0.3135, 0.5742



66.3545, 0.2851, 0.4970



17.8199, 0.3148, 0.3532



34.5544, 0.3078, 0.5938



2.9165, 0.3163, 0.5871



# Inverse Universe

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



24.4193, 0.2838, 0.1578



22.6121, 0.2758, 0.1374



27.6858, 0.3741, 0.2120



15.8503, 0.3104, 0.3055



9.3905, 0.2671, 0.1245

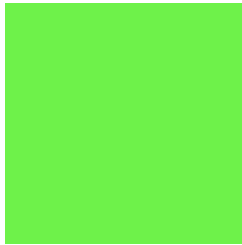


0.8233, 0.2746, 0.1286



# Previews

## White Background



This preview shows how the Yxy color 67.3137, 0.3176, 0.5423 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 67.3137, 0.3176, 0.5423 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

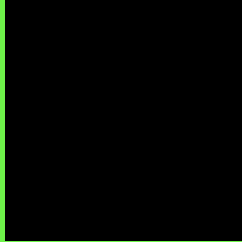
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.3137, 0.3176, 0.5423**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.3137, 0.3176, 0.5423.

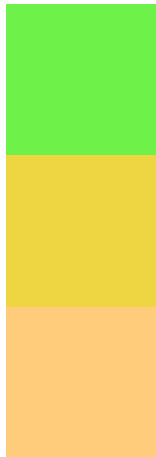


This preview shows how white text looks on a background with the Yxy color 67.3137, 0.3176, 0.5423.

# 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

67.3137, 0.3176, 0.5423

### Protanopia

66.1590, 0.4259, 0.4694

### Deuteranopia

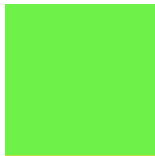
65.9010, 0.4137, 0.4102



## Tritanopia

66.7640, 0.2525, 0.3074

# Trichromacy



## Original Color

67.3137, 0.3176, 0.5423



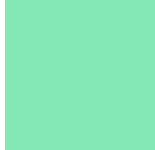
## Protanomaly

64.8173, 0.3798, 0.5002



## Deuteranomaly

63.7400, 0.3744, 0.4587



## Tritanomaly

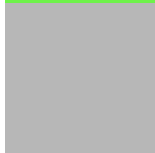
65.9159, 0.2792, 0.3945

# Monochromacy



## Original Color

67.3137, 0.3176, 0.5423



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

52.2368, 0.3184, 0.4131

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.3137, 0.3176, 0.5423 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, 242, 74)` looks like.

```
.text, #text, p{  
    color:rgb(110, 242, 74)  
}
```

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, 242, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 242, 74) }
```

## Border

The CSS property to change the border of an element to Yxy 67.3137, 0.3176, 0.5423 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, 242, 74) }
```

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

```
.border{ border-color:rgb(110, 242, 74) }
```

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

Here you see how a box with a 4 pixel rgb(110, 242, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 242, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 242, 74);  
box-shadow:4px 4px 4px 4px rgb(110, 242,  
74) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.3137, 0.3176, 0.5423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 242, 74) }
```

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

```
.background{ background-color: rgb(110,  
242, 74) }
```

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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