

# Converting Colors

Yxy(35.4119, 0.3188, 0.5145)

Have a look what the booklet for  
Yxy(35.4119, 0.3188, 0.5145)  
contains.

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# Color

**Yxy(35.4119, 0.3188, 0.5145)**

# Conversions

Conversions Part 1	
Format	Color
Hex	5DB446
RGB	93, 180, 70
RGB Percent	36%, 71%, 27%
CMY	0.6352, 0.2941, 0.7255
CMYK	0.48, 0.00, 0.61, 0.29
HSL	107°, 44%, 49%
HSV	107°, 61%, 71%
XYZ	21.9423, 35.4119, 11.4736
YIQ	141.4470, -16.5420, -52.6540

# Conversions

## Conversions Part 2

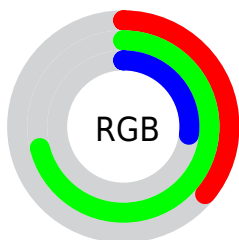
Format	Color
<a href="#">RYB</a>	<a href="#">70, 180, 157</a>
Decimal	<a href="#">6140998</a>
CIELab	<a href="#">66.07, -47.02, 47.03</a>
CIELCh	<a href="#">66, 66.500, 134.991</a>
Yxy	<a href="#">35.4119, 0.3188, 0.5145</a>
Android (android.graphics.Color)	<a href="#">4284331078</a> (0xFF5DB446)
YUV	<a href="#">141.4470, -35.2234, -42.4880</a>
Hunter-Lab	<a href="#">59.5079, -38.3207, 30.2239</a>

# Details

The Yxy color **35.4119, 0.3188, 0.5145** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **14.8437, 0.2899, 0.1768**, and the grayscale version is **26.9694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3631, 0.3214, 0.4756**, and **15.2605, 0.3090, 0.5796** is the 20% darker color. If you saturate the color by 10%, you get **34.5440, 0.3171, 0.5436**, and if you desaturate by 10%, it is **36.4892, 0.3195, 0.4822**.

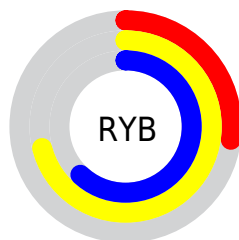
# Distribution



Red (36%)

Green (71%)

Blue (27%)



Red (27%)

Yellow (71%)

Blue (62%)

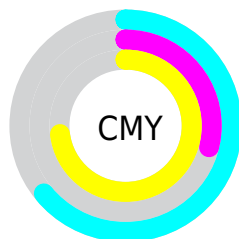


Cyan (48%)

Magenta (0%)

Yellow (61%)

Black (29%)



Cyan (64%)

Magenta (29%)


Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.4119, 0.3188, 0.5145 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 35.4119, 0.3188, 0.5145 by changing the saturation by 10% instead.





 35.4119, 0.3188,  
0.5145


 35.4119, 0.3188,  
0.5145


 326.3827, 0.3214,  
0.4116

 23.9803, 0.3153,  
0.5428


 68.1234, 0.3216,  
0.4749

 15.3190, 0.3087,  
0.5800


 90.1721, 0.3221,  
0.4607


 9.0436, 0.2959,  
0.6301

 116.5286, 0.3222,  
0.4489

 4.7696, 0.2786,  
0.7214

 147.5774, 0.3222,  
0.4390

 2.1127, 0.2045,  
0.7955

 183.7028, 0.3221,  
0.4306

 0.6718, 0.0000,  
1.0000


225.2892, 0.3219,


 0.0000, 0.0000,

0.4234


0.0000

272.7211, 0.3217,  
0.4171

 35.4119, 0.3188,  
0.5145

 35.4119, 0.3188,  
0.5145


 34.5440, 0.3171,  
0.5436


 36.4892, 0.3195,  
0.4822


 33.8671, 0.3143,  
0.5674


 37.7840, 0.3193,  
0.4489


 33.3666, 0.3107,  
0.5843


 39.3094, 0.3183,  
0.4162

 33.0486, 0.3075,  
0.5940


 41.0761, 0.3169,  
0.3854

 43.0941, 0.3150,  
0.3571

 45.3730, 0.3130,  
0.3316

 47.9217, 0.3108,  
0.3091

 50.7486, 0.3087,  
0.2892

 53.8620, 0.3066,  
0.2718

# Harmonies

## Analogous

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



35.4119, 0.4101, 0.5011



35.4119, 0.3188, 0.5145



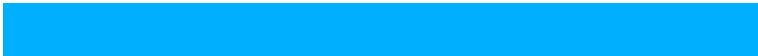
35.4119, 0.2307, 0.4427

# Triad

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



35.4119, 0.3188, 0.5145



35.4119, 0.1584, 0.1936



35.4119, 0.4743, 0.3025

# Complementary

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



35.4119, 0.3188, 0.5145



14.8437, 0.2899, 0.1768

# 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.



35.4119, 0.3820, 0.2436



35.4119, 0.3188, 0.5145



35.4119, 0.2014, 0.1837

# Square

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



35.4119, 0.3188, 0.5145



35.4119, 0.1477, 0.2384



35.4119, 0.2788, 0.2017



35.4119, 0.5107, 0.3695



# Rectangle

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



35.4119, 0.3188, 0.5145



35.4119, 0.1863, 0.3652



35.4119, 0.2788, 0.2017



35.4119, 0.4479, 0.2816

# Sweetspot

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



35.4134, 0.3188, 0.5145



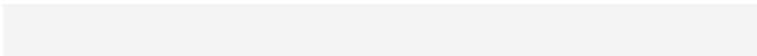
75.4562, 0.3164, 0.3772



33.9795, 0.4163, 0.4442



16.0920, 0.3169, 0.3856



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.4134, 0.3188, 0.5145



62.2127, 0.3163, 0.5517



34.8884, 0.2863, 0.4710



9.5729, 0.3146, 0.3523



23.0897, 0.3081, 0.5935



0.7513, 0.3273, 0.5783



# Inverse Universe

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



14.8437, 0.2899, 0.1768



21.6793, 0.2828, 0.1524



16.2493, 0.3631, 0.2233



8.5552, 0.3105, 0.3063



6.3644, 0.2692, 0.1257



0.2228, 0.2845, 0.1341



# Previews

## White Background



This preview shows how the Yxy color 35.4119, 0.3188, 0.5145 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 35.4119, 0.3188, 0.5145 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 35.4119, 0.3188, 0.5145**

## Background



This preview shows how black text looks on a background with the Yxy color 35.4119, 0.3188, 0.5145.



This preview shows how white text looks on a background with the Yxy color 35.4119, 0.3188, 0.5145.

# 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

35.4119, 0.3188, 0.5145

### Protanopia

34.9768, 0.4150, 0.4557

### Deuteranopia

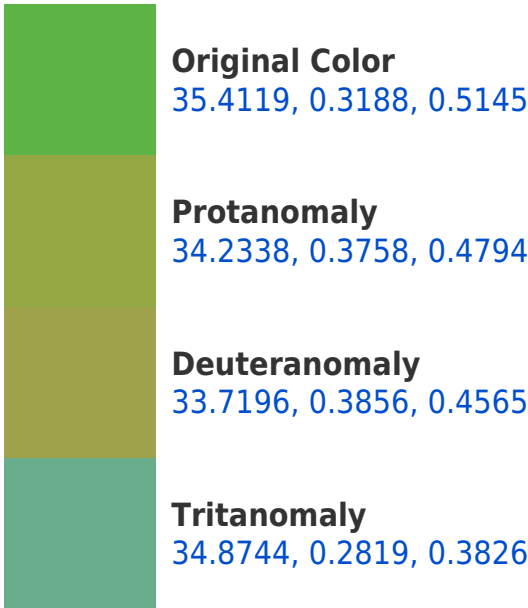
34.8768, 0.4315, 0.4224



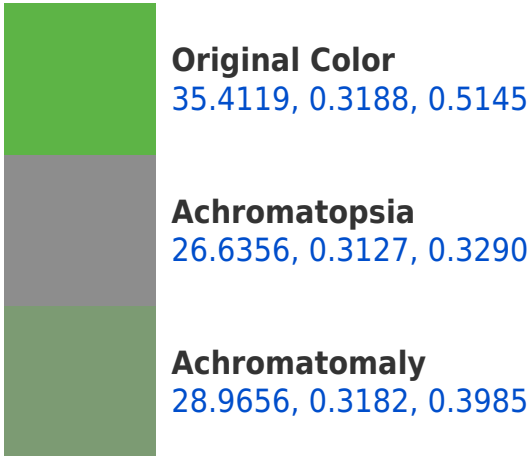
## Tritanopia

35.3307, 0.2584, 0.3088

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.4119, 0.3188, 0.5145 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(93, 180, 70)` looks like.

```
.text, #text, p{  
    color:rgb(93, 180, 70)  
}
```

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(93, 180, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 180, 70) }
```

## Border

The CSS property to change the border of an element to Yxy 35.4119, 0.3188, 0.5145 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(93, 180, 70) }
```

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

```
.border{ border-color:rgb(93, 180, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 180, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 180, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 180, 70);  
box-shadow:4px 4px 4px 4px rgb(93, 180,  
70) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.4119, 0.3188, 0.5145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 180, 70) }
```

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

```
.background{ background-color: rgb(93, 180,  
70) }
```

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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