

# Converting Colors

Yxy(64.5635, 0.5077, 0.4135)

Have a look what the booklet for  
Yxy(64.5635, 0.5077, 0.4135)  
contains.

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# Color

**Yxy(53.8057, 0.4716, 0.4365)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB33A
RGB	255, 179, 58
RGB Percent	100%, 70%, 23%
CMY	0.0000, 0.2981, 0.7724
CMYK	0.00, 0.30, 0.77, 0.00
HSL	37°, 100%, 61%
HSV	37°, 77%, 100%
XYZ	58.1323, 53.8057, 11.3282
YIQ	187.9300, 84.1370, -21.5190

# Conversions

## Conversions Part 2

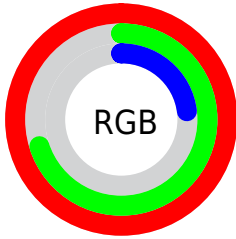
Format	Color
<a href="#">RYB</a>	<a href="#">182, 255, 58</a>
Decimal	<a href="#">16757562</a>
CIELab	<a href="#">78.35, 17.75, 68.60</a>
CIElCh	<a href="#">78, 70.862, 75.496</a>
Yxy	<a href="#">53.8057, 0.4716, 0.4365</a>
Android (android.graphics.Color)	<a href="#">4294947642</a> (0xFFFFB33A)
YUV	<a href="#">187.9300, -64.0555, 58.8204</a>
Hunter-Lab	<a href="#">73.3524, 13.0960, 42.1902</a>

# Details

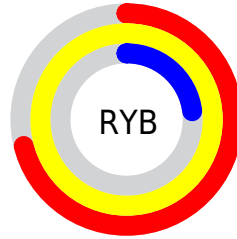
The Yxy color **53.8057, 0.4716, 0.4365** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **25.1812, 0.1870, 0.1662**, and the grayscale version is **50.5813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8689, 0.4033, 0.4466**, and **26.2592, 0.4973, 0.4434** is the 20% darker color. If you saturate the color by 10%, you get **49.7999, 0.4905, 0.4384**, and if you desaturate by 10%, it is **58.2160, 0.4500, 0.4296**.

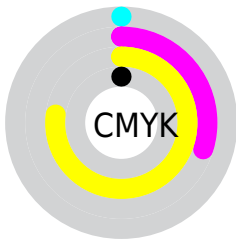
# Distribution



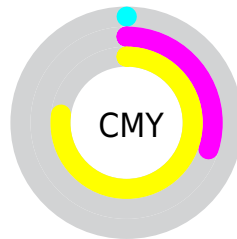
- Red (100%)
- Green (70%)
- Blue (23%)



- Red (71%)
- Yellow (100%)
- Blue (23%)



- Cyan (0%)
- Magenta (30%)
- Yellow (77%)
- Black (0%)




- Cyan (0%)
- Magenta (30%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8057, 0.4716, 0.4365 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 53.8057, 0.4716, 0.4365 by changing the saturation by 10% instead.





 53.8057, 0.4716,  
0.4365


 53.8057, 0.4716,  
0.4365


401.3687, 0.3997,  
0.3936

 38.4463, 0.4858,  
0.4431


 95.7889, 0.4481,  
0.4240


 26.3293, 0.5018,  
0.4491


 123.1815, 0.4384,  
0.4183

 17.0701, 0.5191,  
0.4534

 155.3540, 0.4300,  
0.4132

 10.2845, 0.5420,  
0.4580

 192.6908, 0.4225,  
0.4085

 5.5880, 0.5537,  
0.4463

 235.5763, 0.4158,  
0.4042

 2.5962, 0.5717,  
0.4283

284.3948, 0.4099,

 0.9248, 0.6030,

0.4004

0.3970

339.5308, 0.4045,  
0.3968

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

53.8057, 0.4716,  
0.4365

53.8057, 0.4716,  
0.4365

49.7999, 0.4905,  
0.4384

58.2160, 0.4500,  
0.4296

46.1793, 0.5060,  
0.4349

63.0612, 0.4271,  
0.4185

45.2386, 0.5099,  
0.4333

68.3583, 0.4040,  
0.4046

74.1251, 0.3817,  
0.3889

80.3782, 0.3607,  
0.3724

87.1329, 0.3415,  
0.3560

94.4038, 0.3241,  
0.3400

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



53.8057, 0.4975, 0.3704



53.8057, 0.4716, 0.4365



53.8057, 0.4045, 0.4910

# Triad

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



53.8057, 0.4716, 0.4365



53.8057, 0.1788, 0.3265



53.8057, 0.2830, 0.2095

# Complementary

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



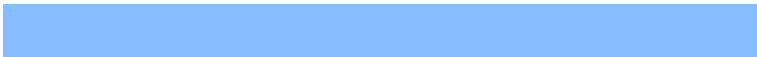
53.8057, 0.4716, 0.4365



25.1812, 0.1870, 0.1662

# 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.



53.8057, 0.2093, 0.1921



53.8057, 0.4716, 0.4365



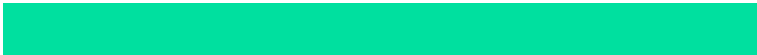
53.8057, 0.1570, 0.2442

# Square

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



53.8057, 0.4716, 0.4365



53.8057, 0.2358, 0.4318



53.8057, 0.1676, 0.2016



53.8057, 0.3790, 0.2498



# Rectangle

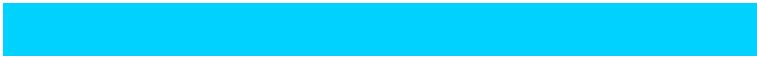
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.8057, 0.4716, 0.4365



53.8057, 0.3481, 0.5043



53.8057, 0.1676, 0.2016



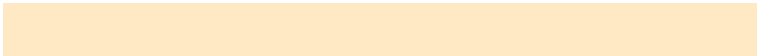
53.8057, 0.2551, 0.2010

# Sweetspot

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



53.8030, 0.4716, 0.4365



83.1820, 0.3523, 0.3654



26.0902, 0.4750, 0.2622



17.2922, 0.3594, 0.3714



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.



53.8030, 0.4716, 0.4365



47.6710, 0.4999, 0.4370



89.5396, 0.3983, 0.5031



19.8445, 0.3279, 0.3436



23.9364, 0.5080, 0.4348



2.5425, 0.4951, 0.4451



# Inverse Universe

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



25.1812, 0.1870, 0.1662



18.3620, 0.1712, 0.1320



11.8574, 0.1742, 0.0910



18.5270, 0.2979, 0.3140



8.6436, 0.1672, 0.1218



1.0456, 0.1734, 0.1442



# Previews

## White Background



This preview shows how the Yxy color 53.8057, 0.4716, 0.4365 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 53.8057, 0.4716, 0.4365 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 53.8057, 0.4716, 0.4365**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8057, 0.4716, 0.4365.



This preview shows how white text looks on a background with the Yxy color 53.8057, 0.4716, 0.4365.

# 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

53.8057, 0.4716, 0.4365

### Protanopia

54.1297, 0.4240, 0.4684

### Deuteranopia

53.7996, 0.4590, 0.4477



## Tritanopia

53.7632, 0.3796, 0.3176

# Trichromacy



## Original Color

53.8057, 0.4716, 0.4365

## Protanomaly

53.7210, 0.4415, 0.4562

## Deuteranomaly

53.7078, 0.4637, 0.4433

## Tritanomaly

53.3382, 0.4200, 0.3679

# Monochromacy



## Original Color

53.8057, 0.4716, 0.4365

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.6181, 0.3727, 0.3826

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8057, 0.4716, 0.4365 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(255, 179, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 179, 58)  
}
```

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(255, 179, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 179, 58) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8057, 0.4716, 0.4365 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(255, 179, 58) }
```

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

```
.border{ border-color:rgb(255, 179, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 179, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 179, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 179, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 179,  
58) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8057, 0.4716, 0.4365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 179, 58) }
```

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

```
.background{ background-color: rgb(255,  
179, 58) }
```

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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