

# Converting Colors

$Y_{xy}(57.1257, 0.4503, 0.4430)$

Have a look what the booklet for  
Yxy(57.1257, 0.4503, 0.4430)  
contains.

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# Color

**Yxy(57.2256, 0.4506, 0.4428)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8BE46
RGB	248, 190, 70
RGB Percent	97%, 75%, 27%
CMY	0.0274, 0.2549, 0.7253
CMYK	0.00, 0.23, 0.72, 0.03
HSL	40°, 93%, 62%
HSV	40°, 72%, 97%
XYZ	58.2336, 57.2256, 13.7765
YIQ	193.6620, 73.0880, -25.0240

# Conversions

## Conversions Part 2

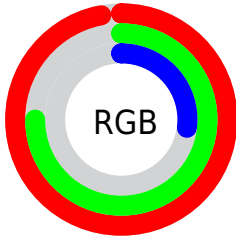
Format	Color
<a href="#">RYB</a>	<a href="#">156, 248, 70</a>
Decimal	<a href="#">16301638</a>
CIELab	<a href="#">80.31, 9.55, 65.64</a>
CIELCh	<a href="#">80, 66.332, 81.719</a>
Yxy	<a href="#">57.2256, 0.4506, 0.4428</a>
Android (android.graphics.Color)	<a href="#">4294491718 (0xFFFF8BE46)</a>
YUV	<a href="#">193.6620, -60.9654, 47.6544</a>
Hunter-Lab	<a href="#">75.6476, 5.0263, 42.1557</a>

# Details

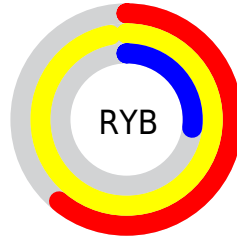
The Yxy color **57.2256, 0.4506, 0.4428** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **23.5315, 0.1907, 0.1650**, and the grayscale version is **54.0774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6522, 0.3915, 0.4456**, and **28.4561, 0.4761, 0.4602** is the 20% darker color. If you saturate the color by 10%, you get **53.5718, 0.4683, 0.4488**, and if you desaturate by 10%, it is **61.2085, 0.4307, 0.4323**.

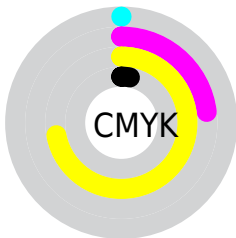
# Distribution



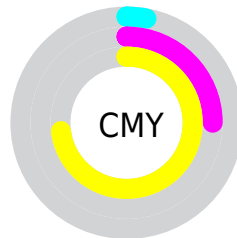
- Red (97%)
- Green (75%)
- Blue (27%)



- Red (61%)
- Yellow (97%)
- Blue (27%)



- Cyan (0%)
- Magenta (23%)
- Yellow (72%)
- Black (3%)




- Cyan (3%)
- Magenta (25%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.2256, 0.4506, 0.4428 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 57.2256, 0.4506, 0.4428 by changing the saturation by 10% instead.




 57.2256, 0.4506,  
0.4428


 57.2256, 0.4506,  
0.4428


414.2941, 0.3888,  
0.3948


 41.1864, 0.4629,  
0.4513


 100.7943, 0.4304,  
0.4279

 28.4648, 0.4767,  
0.4603


 129.0926, 0.4221,  
0.4215


 18.6763, 0.4918,  
0.4688


 162.2460, 0.4148,  
0.4158

 11.4366, 0.5104,  
0.4783

 200.6390, 0.4083,  
0.4107

 6.3613, 0.5224,  
0.4776

 244.6559, 0.4026,  
0.4061

 3.0660, 0.5317,  
0.4683

294.6811, 0.3975,

 1.1663, 0.5478,

0.4019

351.0990, 0.3929,  
0.3982

0.4522

0.0339, 0.8867,  
0.1133

0.0000, 0.0000,  
0.0000

57.2256, 0.4506,  
0.4428

57.2256, 0.4506,  
0.4428

53.5718, 0.4683,  
0.4488

61.2085, 0.4307,  
0.4323


50.2185, 0.4830,  
0.4496

65.5293, 0.4098,  
0.4183

47.6592, 0.4929,  
0.4469

70.2061, 0.3888,  
0.4020


75.2527, 0.3684,  
0.3844

 80.6822, 0.3492,  
0.3665

 86.5064, 0.3315,  
0.3488

 92.7367, 0.3154,  
0.3319

 98.4873, 0.3084,  
0.3287

 98.6980, 0.3084,  
0.3290

# Harmonies

## Analogous

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



57.2256, 0.4827, 0.3826



57.2256, 0.4506, 0.4428



57.2256, 0.3838, 0.4849

# Triad

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



57.2256, 0.4506, 0.4428



57.2256, 0.1815, 0.3093



57.2256, 0.3032, 0.2238

# Complementary

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



57.2256, 0.4506, 0.4428



23.5315, 0.1907, 0.1650

# 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.



57.2256, 0.2288, 0.2026



57.2256, 0.4506, 0.4428



57.2256, 0.1670, 0.2402

# Square

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



57.2256, 0.4506, 0.4428



57.2256, 0.2288, 0.4034



57.2256, 0.1830, 0.2064



57.2256, 0.3922, 0.2657



# Rectangle

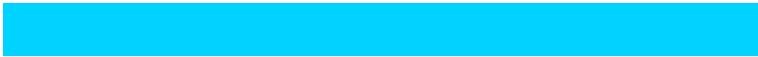
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



57.2256, 0.4506, 0.4428



57.2256, 0.3301, 0.4867



57.2256, 0.1830, 0.2064



57.2256, 0.2757, 0.2142

# Sweetspot

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



57.2284, 0.4506, 0.4428



85.7824, 0.3497, 0.3670



25.9378, 0.4757, 0.2749



18.0166, 0.3548, 0.3719



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.



57.2284, 0.4506, 0.4428



55.4685, 0.4751, 0.4498



82.5416, 0.3869, 0.5014



19.1812, 0.3277, 0.3449



26.0100, 0.4914, 0.4480



2.6019, 0.4806, 0.4566



# Inverse Universe

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



23.5315, 0.1907, 0.1650



18.1421, 0.1729, 0.1305



13.8553, 0.1897, 0.1079



17.5668, 0.2979, 0.3125



7.0526, 0.1627, 0.1058



0.8375, 0.1692, 0.1292



# Previews

## White Background



This preview shows how the Yxy color 57.2256, 0.4506, 0.4428 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 57.2256, 0.4506, 0.4428 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 57.2256, 0.4506, 0.4428**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.2256, 0.4506, 0.4428.



This preview shows how white text looks on a background with the Yxy color 57.2256, 0.4506, 0.4428.

# 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

57.2256, 0.4506, 0.4428

### Protanopia

57.4776, 0.4203, 0.4620

### Deuteranopia

56.9771, 0.4523, 0.4415



## Tritanopia

57.3060, 0.3683, 0.3156

# Trichromacy



## Original Color

57.2256, 0.4506, 0.4428

## Protanomaly

57.1035, 0.4315, 0.4547

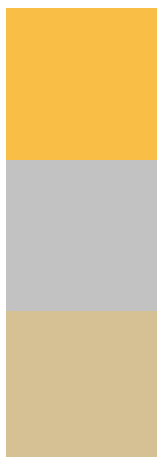
## Deuteranomaly

56.9771, 0.4523, 0.4415

## Tritanomaly

56.7005, 0.4033, 0.3663

# Monochromacy



## Original Color

57.2256, 0.4506, 0.4428

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

54.6060, 0.3651, 0.3817

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.2256, 0.4506, 0.4428 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(248, 190, 70)` looks like.

```
.text, #text, p{  
    color:rgb(248, 190, 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(248, 190, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 190, 70) }
```

## Border

The CSS property to change the border of an element to Yxy 57.2256, 0.4506, 0.4428 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(248, 190, 70) }
```

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

```
.border{ border-color:rgb(248, 190, 70) }
```

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

Here you see how a box with a 4 pixel rgb(248, 190, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 190, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 190, 70);  
box-shadow:4px 4px 4px 4px rgb(248, 190,  
70) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.2256, 0.4506, 0.4428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 190, 70) }
```

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

```
.background{ background-color: rgb(248,  
190, 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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