

# Converting Colors

$Yxy(64.3701, 0.4866, 0.4186)$

Have a look what the booklet for  
Yxy(64.3701, 0.4866, 0.4186)  
contains.

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# **Color**

**Yxy(56.8457, 0.4586, 0.4347)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFBA48
RGB	255, 186, 72
RGB Percent	100%, 73%, 28%
CMY	0.0000, 0.2706, 0.7174
CMYK	0.00, 0.27, 0.72, 0.00
HSL	37°, 100%, 64%
HSV	37°, 72%, 100%
XYZ	59.9711, 56.8457, 13.9532
YIQ	193.6350, 77.7180, -20.8260

# Conversions

## Conversions Part 2

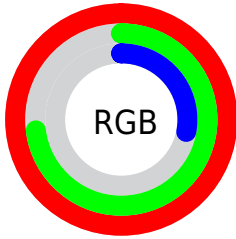
Format	Color
<a href="#">RYB</a>	<a href="#">183, 255, 72</a>
Decimal	<a href="#">16759368</a>
CIELab	<a href="#">80.09, 14.66, 64.84</a>
CIELCh	<a href="#">80, 66.480, 77.264</a>
Yxy	<a href="#">56.8457, 0.4586, 0.4347</a>
Android (android.graphics.Color)	<a href="#">4294949448</a> (0xFFFFBA48)
YUV	<a href="#">193.6350, -59.9661, 53.8171</a>
Hunter-Lab	<a href="#">75.3961, 10.0382, 41.8048</a>

# Details

The Yxy color **56.8457, 0.4586, 0.4347** 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 **27.6686, 0.1936, 0.1770**, and the grayscale version is **54.0535, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2706, 0.3929, 0.4416**, and **28.2553, 0.4875, 0.4492** is the 20% darker color. If you saturate the color by 10%, you get **52.6640, 0.4787, 0.4396**, and if you desaturate by 10%, it is **61.4429, 0.4365, 0.4252**.

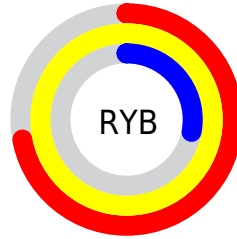
# Distribution



Red (100%)

Green (73%)

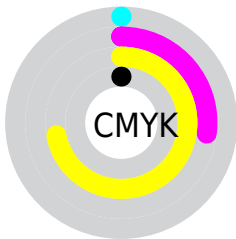
Blue (28%)



Red (72%)

Yellow (100%)

Blue (28%)

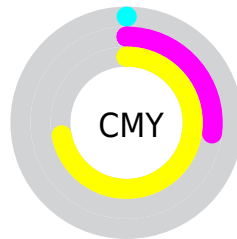


Cyan (0%)

Magenta (27%)

Yellow (72%)

Black (0%)



Cyan (0%)

Magenta (27%)


Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.8457, 0.4586, 0.4347 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 56.8457, 0.4586, 0.4347 by changing the saturation by 10% instead.




 56.8457, 0.4586,  
0.4347


 56.8457, 0.4586,  
0.4347


412.8709, 0.3925,  
0.3911

 40.8814, 0.4720,  
0.4421


 100.2400, 0.4368,  
0.4214


 28.2264, 0.4871,  
0.4495


 128.4388, 0.4279,  
0.4157

 18.4964, 0.5040,  
0.4562


 161.4845, 0.4201,  
0.4105

 11.3070, 0.5249,  
0.4629

 199.7615, 0.4133,  
0.4058

 6.2737, 0.5406,  
0.4594

 243.6543, 0.4072,  
0.4016

 3.0122, 0.5546,  
0.4454

293.5472, 0.4018,

 1.1381, 0.5785,

0.3978

0.4215

349.8246, 0.3969,  
0.3943

0.0103, 0.9728,  
0.0272

0.0000, 0.0000,  
0.0000

56.8457, 0.4586,  
0.4347

56.8457, 0.4586,  
0.4347

52.6640, 0.4787,  
0.4396

61.4429, 0.4365,  
0.4252

48.8669, 0.4957,  
0.4392

66.4689, 0.4137,  
0.4122

45.9953, 0.5074,  
0.4353

71.9441, 0.3912,  
0.3970

77.8854, 0.3697,  
0.3805

84.3081, 0.3498,  
0.3638

91.2269, 0.3317,  
0.3474

98.6554, 0.3154,  
0.3316

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.



56.8457, 0.4840, 0.3734



56.8457, 0.4586, 0.4347



56.8457, 0.3954, 0.4816

# Triad

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



56.8457, 0.4586, 0.4347



56.8457, 0.1859, 0.3223



56.8457, 0.2905, 0.2188

# Complementary

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



56.8457, 0.4586, 0.4347



27.6686, 0.1936, 0.1770

# 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.



56.8457, 0.2197, 0.2010



56.8457, 0.4586, 0.4347



56.8457, 0.1666, 0.2478

# Square

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



56.8457, 0.4586, 0.4347



56.8457, 0.2381, 0.4175



56.8457, 0.1782, 0.2089



56.8457, 0.3795, 0.2581



# Rectangle

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



56.8457, 0.4586, 0.4347



56.8457, 0.3424, 0.4895



56.8457, 0.1782, 0.2089



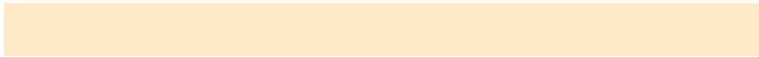
56.8457, 0.2640, 0.2103

# Sweetspot

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



56.8481, 0.4586, 0.4347



84.1340, 0.3503, 0.3642



27.8621, 0.4623, 0.2658



17.6257, 0.3555, 0.3688



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.



56.8481, 0.4586, 0.4347



51.0001, 0.4864, 0.4401



89.4233, 0.3934, 0.4972



19.8720, 0.3279, 0.3438



24.3303, 0.5055, 0.4368



2.5794, 0.4931, 0.4467



# Inverse Universe

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



27.6686, 0.1936, 0.1770



20.6440, 0.1766, 0.1442



14.2119, 0.1844, 0.1051



18.5004, 0.2979, 0.3138



8.4246, 0.1665, 0.1193



1.0224, 0.1727, 0.1417



# Previews

## White Background



This preview shows how the Yxy color 56.8457, 0.4586, 0.4347 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 56.8457, 0.4586, 0.4347 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 56.8457, 0.4586, 0.4347**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.8457, 0.4586, 0.4347.



This preview shows how white text looks on a background with the Yxy color 56.8457, 0.4586, 0.4347.

# 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

56.8457, 0.4586, 0.4347

### Protanopia

56.8982, 0.4187, 0.4595

### Deuteranopia

56.8066, 0.4510, 0.4413



## Tritanopia

56.7749, 0.3712, 0.3177

# Trichromacy



**Original Color**

56.8457, 0.4586, 0.4347

**Protanomaly**

56.5840, 0.4332, 0.4499

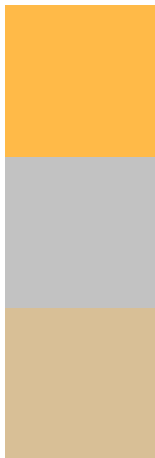
**Deuteranomaly**

56.9306, 0.4542, 0.4390

**Tritanomaly**

56.3831, 0.4085, 0.3659

# Monochromacy



**Original Color**

56.8457, 0.4586, 0.4347

**Achromatopsia**

53.9479, 0.3127, 0.3290

**Achromatomaly**

54.0625, 0.3667, 0.3779

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.8457, 0.4586, 0.4347 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, 186, 72)` looks like.

```
.text, #text, p{  
    color:rgb(255, 186, 72)  
}
```

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, 186, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 186, 72) }
```

## Border

The CSS property to change the border of an element to Yxy 56.8457, 0.4586, 0.4347 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, 186, 72) }
```

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

```
.border{ border-color:rgb(255, 186, 72) }
```

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

Here you see how a box with a 4 pixel rgb(255, 186, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 186, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 186, 72);  
box-shadow:4px 4px 4px 4px rgb(255, 186,  
72) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.8457, 0.4586, 0.4347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 186, 72) }
```

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

```
.background{ background-color: rgb(255,  
186, 72) }
```

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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