

Converting Colors

$Y_{xy}(56.4258, 0.4595, 0.4339)$

Have a look what the booklet for
Yxy(56.4258, 0.4595, 0.4339)
contains.

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Color

Yxy(56.4258, 0.4595, 0.4339)

Conversions

Conversions Part 1

Format	Color
Hex	FFB948
RGB	255, 185, 72
RGB Percent	100%, 73%, 28%
CMY	0.0000, 0.2745, 0.7179
CMYK	0.00, 0.27, 0.72, 0.00
HSL	37°, 100%, 64%
HSV	37°, 72%, 100%
XYZ	59.7549, 56.4258, 13.8626
YIQ	193.0480, 77.9930, -20.3030

Conversions

Conversions Part 2

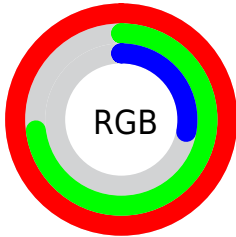
Format	Color
RYB	185, 255, 72
Decimal	16759112
CIELab	79.86, 15.16, 64.65
CIELCh	80, 66.408, 76.801
Yxy	56.4258, 0.4595, 0.4339
Android (android.graphics.Color)	4294949192 (0xFFFFB948)
YUV	193.0480, -59.6767, 54.3319
Hunter-Lab	75.1171, 10.5400, 41.6402

Details

The Yxy color **56.4258, 0.4595, 0.4339** 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 **27.9181, 0.1939, 0.1782**, and the grayscale version is **53.6798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6770, 0.3934, 0.4408**, and **27.9828, 0.4889, 0.4481** is the 20% darker color. If you saturate the color by 10%, you get **52.2220, 0.4798, 0.4387**, and if you desaturate by 10%, it is **61.0528, 0.4372, 0.4245**.

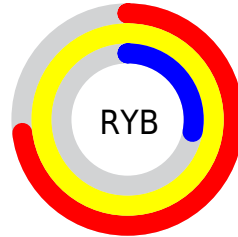
Distribution



Red (100%)

Green (73%)

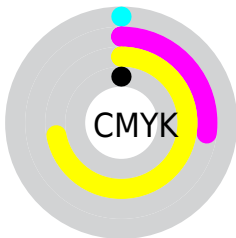
Blue (28%)



Red (73%)

Yellow (100%)

Blue (28%)

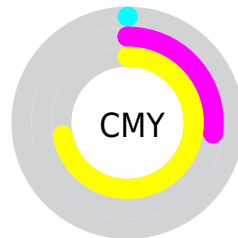


Cyan (0%)

Magenta (27%)

Yellow (72%)

Black (0%)



Cyan (0%)


Magenta (27%)

Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4258, 0.4595, 0.4339 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 56.4258, 0.4595, 0.4339 by changing the saturation by 10% instead.


 56.4258, 0.4595,
0.4339

 56.4258, 0.4595,
0.4339


411.2942, 0.3929,
0.3907


 40.5444, 0.4730,
0.4412


 99.6269, 0.4375,
0.4208


 27.9633, 0.4884,
0.4485


 127.7153, 0.4285,
0.4151

 18.2980, 0.5055,
0.4550

 160.6416, 0.4207,
0.4099

 11.1641, 0.5268,
0.4615

 198.7901, 0.4138,
0.4053

 6.1773, 0.5426,
0.4574

 242.5453, 0.4076,
0.4011

 2.9532, 0.5572,
0.4428

292.2914, 0.4022,

 1.1074, 0.5822,

0.3973

0.4178

348.4129, 0.3973,
0.3939

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.4258, 0.4595,
0.4339

■ 56.4258, 0.4595,
0.4339

■ 52.2220, 0.4798,
0.4387

■ 61.0528, 0.4372,
0.4245

■ 48.4090, 0.4971,
0.4381

■ 66.1151, 0.4142,
0.4116

■ 45.5446, 0.5089,
0.4342

■ 71.6340, 0.3915,
0.3965

■ 77.6264, 0.3699,
0.3802

84.1079, 0.3499,
0.3636

91.0935, 0.3318,
0.3473

98.5968, 0.3154,
0.3317

99.9983, 0.3127,
0.3290

Harmonies

Analogous

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



56.4258, 0.4842, 0.3725



56.4258, 0.4595, 0.4339



56.4258, 0.3966, 0.4813

Triad

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



56.4258, 0.4595, 0.4339



56.4258, 0.1863, 0.3236



56.4258, 0.2892, 0.2182

Complementary

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



56.4258, 0.4595, 0.4339



27.9181, 0.1939, 0.1782

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.



56.4258, 0.2187, 0.2008



56.4258, 0.4595, 0.4339



56.4258, 0.1665, 0.2486

Square

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



56.4258, 0.4595, 0.4339



56.4258, 0.2391, 0.4191



56.4258, 0.1777, 0.2091



56.4258, 0.3782, 0.2573

Rectangle

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



56.4258, 0.4595, 0.4339



56.4258, 0.3437, 0.4899



56.4258, 0.1777, 0.2091



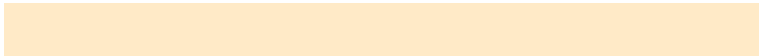
56.4258, 0.2627, 0.2098

Sweetspot

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



56.4286, 0.4595, 0.4339



83.9703, 0.3503, 0.3639



27.8422, 0.4625, 0.2658



17.5870, 0.3556, 0.3684



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.



56.4286, 0.4595, 0.4339



50.5725, 0.4875, 0.4391



89.4123, 0.3934, 0.4973



19.8558, 0.3279, 0.3437



24.0975, 0.5070, 0.4357



2.5576, 0.4943, 0.4457

Inverse Universe

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



27.9181, 0.1939, 0.1782



20.9118, 0.1770, 0.1456



14.1898, 0.1843, 0.1050



18.5160, 0.2979, 0.3139



8.5528, 0.1669, 0.1207



1.0360, 0.1731, 0.1432

Previews

White Background



This preview shows how the Yxy color 56.4258, 0.4595, 0.4339 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 56.4258, 0.4595, 0.4339 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 56.4258, 0.4595, 0.4339

Background



This preview shows how black text looks on a background with the Yxy color 56.4258, 0.4595, 0.4339.



This preview shows how white text looks on a background with the Yxy color 56.4258, 0.4595, 0.4339.

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

56.4258, 0.4595, 0.4339

Protanopia

56.7408, 0.4179, 0.4600

Deuteranopia

56.3778, 0.4518, 0.4404



Tritanopia

56.3351, 0.3724, 0.3177

Trichromacy



Original Color

56.4258, 0.4595, 0.4339

Protanomaly

56.4152, 0.4324, 0.4503

Deuteranomaly

56.5048, 0.4551, 0.4381

Tritanomaly

55.9778, 0.4090, 0.3649

Monochromacy



Original Color

56.4258, 0.4595, 0.4339

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

53.5958, 0.3679, 0.3780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4258, 0.4595, 0.4339 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, 185, 72)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 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, 185, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 72) }
```

Border

The CSS property to change the border of an element to Yxy 56.4258, 0.4595, 0.4339 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, 185, 72) }
```

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

```
.border{ border-color:rgb(255, 185, 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, 185, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 72);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4258, 0.4595, 0.4339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 185, 72) }
```

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

```
.background{ background-color: rgb(255,  
185, 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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