

Converting Colors

$Y_{xy}(56.4755, 0.4505, 0.4222)$

Have a look what the booklet for
Yxy(56.4755, 0.4505, 0.4222)
contains.

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Color

Yxy(56.6625, 0.4504, 0.4228)

Conversions

Conversions Part 1

Format	Color
Hex	FFB958
RGB	255, 185, 88
RGB Percent	100%, 73%, 35%
CMY	0.0000, 0.2746, 0.6548
CMYK	0.00, 0.27, 0.65, 0.00
HSL	35°, 100%, 67%
HSV	35°, 65%, 100%
XYZ	60.3614, 56.6625, 16.9934
YIQ	194.8720, 72.8570, -15.3270

Conversions

Conversions Part 2

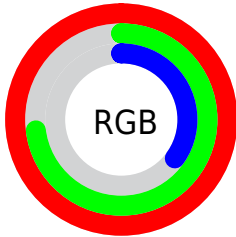
Format	Color
R _Y B	209, 255, 88
Decimal	16759128
CIE Lab	79.99, 16.03, 57.82
CIE LCh	80, 60.000, 74.504
Yxy	56.6625, 0.4504, 0.4228
Android (android.graphics.Color)	4294949208 (0xFFFFB958)
YUV	194.8720, -52.6879, 52.7323
Hunter-Lab	75.2745, 11.4058, 39.3073

Details

The Yxy color **56.6625, 0.4504, 0.4228** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **33.7628, 0.2050, 0.2017**, and the grayscale version is **54.7773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0937, 0.3850, 0.4276**, and **28.0874, 0.4797, 0.4376** is the 20% darker color. If you saturate the color by 10%, you get **52.0006, 0.4738, 0.4299**, and if you desaturate by 10%, it is **61.8003, 0.4260, 0.4118**.

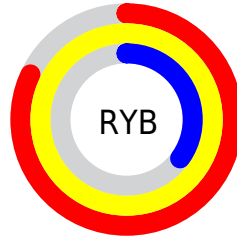
Distribution



Red (100%)

Green (73%)

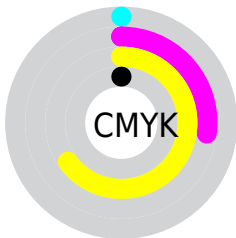
Blue (35%)



Red (82%)

Yellow (100%)

Blue (35%)

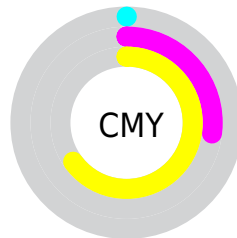


Cyan (0%)

Magenta (27%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (27%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.6625, 0.4504, 0.4228 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 56.6625, 0.4504, 0.4228 by changing the saturation by 10% instead.


 56.6625, 0.4504,
0.4228


 56.6625, 0.4504,
0.4228


412.1834, 0.3867,
0.3834


 40.7343, 0.4639,
0.4299


 99.9726, 0.4289,
0.4105

 28.1116, 0.4797,
0.4373


 128.1233, 0.4203,
0.4053

 18.4098, 0.4980,
0.4445


 161.1169, 0.4129,
0.4006

 11.2446, 0.5188,
0.4501

 199.3379, 0.4063,
0.3964

 6.2316, 0.5455,
0.4545

243.1707, 0.4005,
0.3926

 2.9864, 0.5608,
0.4392

292.9996, 0.3954,

 1.1246, 0.5867,

0.3892

0.4133

349.2091, 0.3908,
0.3862

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

56.6625, 0.4504,
0.4228

56.6625, 0.4504,
0.4228

52.0006, 0.4738,
0.4299

61.8003, 0.4260,
0.4118

47.8035, 0.4950,
0.4319

67.4474, 0.4018,
0.3982

44.0394, 0.5126,
0.4285

73.6187, 0.3789,
0.3831

42.4648, 0.5196,
0.4256

80.3322, 0.3577,
0.3674

87.6045, 0.3385,
0.3518

95.4512, 0.3213,
0.3369

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.



56.6625, 0.4680, 0.3665



56.6625, 0.4504, 0.4228



56.6625, 0.3960, 0.4655

Triad

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



56.6625, 0.4504, 0.4228



56.6625, 0.2001, 0.3315



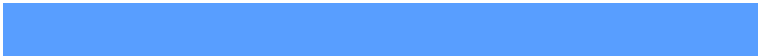
56.6625, 0.2861, 0.2252

Complementary

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



56.6625, 0.4504, 0.4228



33.7628, 0.2050, 0.2017

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.



56.6625, 0.2230, 0.2109



56.6625, 0.4504, 0.4228



56.6625, 0.1787, 0.2609

Square

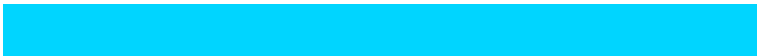
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



56.6625, 0.4504, 0.4228



56.6625, 0.2514, 0.4154



56.6625, 0.1868, 0.2213



56.6625, 0.3661, 0.2601

Rectangle

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



56.6625, 0.4504, 0.4228



56.6625, 0.3483, 0.4738



56.6625, 0.1868, 0.2213



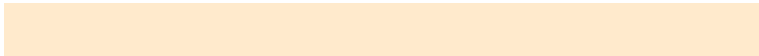
56.6625, 0.2624, 0.2179

Sweetspot

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



56.6584, 0.4504, 0.4228



84.2468, 0.3469, 0.3588



30.7954, 0.4310, 0.2597



17.5980, 0.3524, 0.3632



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.



56.6584, 0.4504, 0.4228



50.4718, 0.4816, 0.4312



91.4346, 0.3953, 0.4834



19.7395, 0.3280, 0.3428



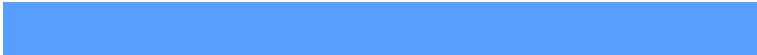
22.4907, 0.5175, 0.4273



2.4060, 0.5032, 0.4386

Inverse Universe

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



33.7628, 0.2050, 0.2017



26.1737, 0.1872, 0.1711



16.8655, 0.1907, 0.1204



18.6293, 0.2979, 0.3148



9.5378, 0.1699, 0.1316



1.1389, 0.1761, 0.1537

Previews

White Background



This preview shows how the Yxy color 56.6625, 0.4504, 0.4228 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 56.6625, 0.4504, 0.4228 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 56.6625, 0.4504, 0.4228

Background



This preview shows how black text looks on a background with the Yxy color 56.6625, 0.4504, 0.4228.



This preview shows how white text looks on a background with the Yxy color 56.6625, 0.4504, 0.4228.

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

56.6625, 0.4504, 0.4228

Protanopia

56.8352, 0.4082, 0.4473

Deuteranopia

56.6761, 0.4405, 0.4310



Tritanopia

56.7749, 0.3712, 0.3177

Trichromacy



Original Color

56.6625, 0.4504, 0.4228

Protanomaly

56.6625, 0.4234, 0.4379

Deuteranomaly

56.7943, 0.4437, 0.4288

Tritanomaly

56.5747, 0.4033, 0.3597

Monochromacy



Original Color

56.6625, 0.4504, 0.4228

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

54.4136, 0.3627, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6625, 0.4504, 0.4228 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, 88)` looks like.

```
.text, #text, p{  
    color:rgb(255, 185, 88)  
}
```

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, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 185, 88) }
```

Border

The CSS property to change the border of an element to Yxy 56.6625, 0.4504, 0.4228 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, 88) }
```

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

```
.border{ border-color:rgb(255, 185, 88) }
```

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, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 185, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 185, 88);  
box-shadow:4px 4px 4px 4px rgb(255, 185,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6625, 0.4504, 0.4228 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, 88) }
```

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

```
.background{ background-color: rgb(255,  
185, 88) }
```

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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