

Converting Colors

$Y_{xy}(56.5036, 0.4419, 0.4108)$

Have a look what the booklet for
Yxy(56.5036, 0.4419, 0.4108)
contains.

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Color

Yxy(56.5003, 0.4419, 0.4108)

Conversions

Conversions Part 1

Format	Color
Hex	FFB866
RGB	255, 184, 102
RGB Percent	100%, 72%, 40%
CMY	0.0000, 0.2784, 0.6002
CMYK	0.00, 0.28, 0.60, 0.00
HSL	32°, 100%, 70%
HSV	32°, 60%, 100%
XYZ	60.7777, 56.5003, 20.2592
YIQ	195.8810, 68.6380, -10.4500

Conversions

Conversions Part 2

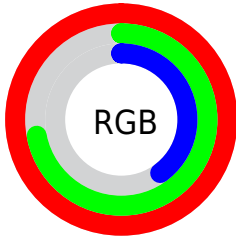
Format	Color
RYB	234, 255, 102
Decimal	16758886
CIELab	79.90, 17.41, 51.16
CIELCh	80, 54.044, 71.206
Yxy	56.5003, 0.4419, 0.4108
Android (android.graphics.Color)	4294948966 (0xFFFFB866)
YUV	195.8810, -46.2833, 51.8474
Hunter-Lab	75.1667, 12.7885, 36.6366

Details

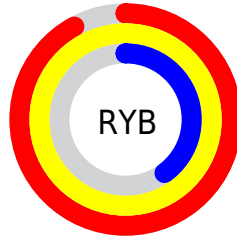
The Yxy color **56.5003, 0.4419, 0.4108** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.9072, 0.2153, 0.2234**, and the grayscale version is **55.3774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9467, 0.3770, 0.4137**, and **28.0737, 0.4716, 0.4241** is the 20% darker color. If you saturate the color by 10%, you get **51.3615, 0.4681, 0.4192**, and if you desaturate by 10%, it is **62.2100, 0.4158, 0.3992**.

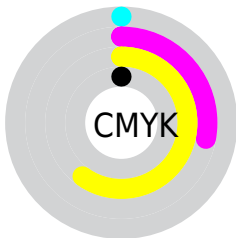
Distribution



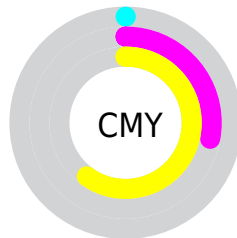
- Red (100%)
- Green (72%)
- Blue (40%)



- Red (92%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (28%)
- Yellow (60%)
- Black (0%)




- Cyan (0%)
- Magenta (28%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.5003, 0.4419, 0.4108 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 56.5003, 0.4419, 0.4108 by changing the saturation by 10% instead.


 56.5003, 0.4419,
0.4108

 56.5003, 0.4419,
0.4108


411.5742, 0.3811,
0.3759


 40.6042, 0.4553,
0.4173

 99.7357, 0.4211,
0.3997


 28.0099, 0.4712,
0.4244


 127.8438, 0.4128,
0.3951

 18.3331, 0.4904,
0.4316


 160.7913, 0.4057,
0.3910

 11.1894, 0.5130,
0.4378

 198.9626, 0.3995,
0.3873

 6.1944, 0.5493,
0.4487

242.7422, 0.3941,
0.3840

 2.9636, 0.5669,
0.4331

292.5144, 0.3893,

 1.1128, 0.5948,

0.3810

0.4052

348.6636, 0.3850,
0.3784

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

56.5003, 0.4419,
0.4108

56.5003, 0.4419,
0.4108

51.3615, 0.4681,
0.4192

62.2100, 0.4158,
0.3992

46.7622, 0.4929,
0.4231


68.5064, 0.3910,
0.3856

42.6764, 0.5147,
0.4217

75.4128, 0.3681,
0.3712

39.0712, 0.5328,
0.4151

82.9488, 0.3474,
0.3566

 91.1327, 0.3290,
0.3425

99.9822, 0.3127,
0.3290

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.



56.5003, 0.4521, 0.3590



56.5003, 0.4419, 0.4108



56.5003, 0.3961, 0.4502

Triad

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



56.5003, 0.4419, 0.4108



56.5003, 0.2142, 0.3402



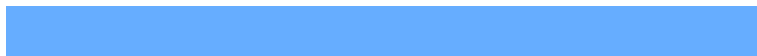
56.5003, 0.2817, 0.2313

Complementary

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



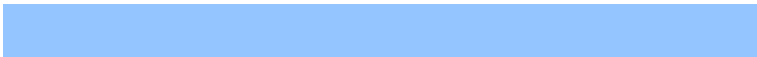
56.5003, 0.4419, 0.4108



39.9072, 0.2153, 0.2234

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.



56.5003, 0.2261, 0.2206



56.5003, 0.4419, 0.4108



56.5003, 0.1908, 0.2739

Square

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



56.5003, 0.4419, 0.4108



56.5003, 0.2643, 0.4134



56.5003, 0.1952, 0.2336



56.5003, 0.3532, 0.2618

Rectangle

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



56.5003, 0.4419, 0.4108



56.5003, 0.3537, 0.4593



56.5003, 0.1952, 0.2336



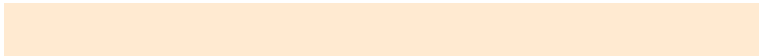
56.5003, 0.2607, 0.2253

Sweetspot

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



56.5025, 0.4419, 0.4108



84.5486, 0.3435, 0.3537



33.7847, 0.4096, 0.2583



17.6052, 0.3491, 0.3579



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.



56.5025, 0.4419, 0.4108



50.4084, 0.4731, 0.4204



92.7836, 0.3942, 0.4717



19.6002, 0.3281, 0.3418



20.7177, 0.5305, 0.4170



2.2360, 0.5143, 0.4298

Inverse Universe

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



39.9072, 0.2153, 0.2234



32.5412, 0.1987, 0.1980



19.8421, 0.1982, 0.1363



18.7665, 0.2979, 0.3159



10.8695, 0.1738, 0.1455



1.2743, 0.1797, 0.1669

Previews

White Background



This preview shows how the Yxy color 56.5003, 0.4419, 0.4108 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 56.5003, 0.4419, 0.4108 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 56.5003, 0.4419, 0.4108

Background



This preview shows how black text looks on a background with the Yxy color 56.5003, 0.4419, 0.4108.



This preview shows how white text looks on a background with the Yxy color 56.5003, 0.4419, 0.4108.

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

56.5003, 0.4419, 0.4108

Protanopia

56.9685, 0.3979, 0.4335

Deuteranopia

56.5679, 0.4298, 0.4203



Tritanopia

56.3784, 0.3715, 0.3166

Trichromacy



Original Color

56.5003, 0.4419, 0.4108

Protanomaly

56.7593, 0.4135, 0.4258

Deuteranomaly

56.4367, 0.4346, 0.4169

Tritanomaly

56.3368, 0.3993, 0.3534

Monochromacy



Original Color

56.5003, 0.4419, 0.4108

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

55.0596, 0.3575, 0.3646

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5003, 0.4419, 0.4108 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, 184, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 184, 102)  
}
```

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, 184, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 184, 102) }
```

Border

The CSS property to change the border of an element to Yxy 56.5003, 0.4419, 0.4108 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, 184, 102) }
```

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

```
.border{ border-color:rgb(255, 184, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 184, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 184, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 184, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 184,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5003, 0.4419, 0.4108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 184, 102) }
```

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

```
.background{ background-color: rgb(255,  
184, 102) }
```

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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