

Converting Colors

$Yxy(60.0974, 0.4588, 0.4062)$

Have a look what the booklet for
Yxy(60.0974, 0.4588, 0.4062)
contains.

Yxy(56.4611, 0.4433, 0.4124)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.4611, 0.4433, 0.4124)

Conversions

Conversions Part 1

Format	Color
Hex	FFB864
RGB	255, 184, 100
RGB Percent	100%, 72%, 39%
CMY	0.0000, 0.2785, 0.6078
CMYK	0.00, 0.28, 0.61, 0.00
HSL	33°, 100%, 70%
HSV	33°, 61%, 100%
XYZ	60.6916, 56.4611, 19.7559
YIQ	195.6530, 69.2800, -11.0720

Conversions

Conversions Part 2

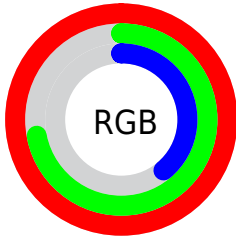
Format	Color
R _Y B	231, 255, 100
Decimal	16758884
CIE Lab	79.88, 17.30, 52.08
CIE LCh	80, 54.877, 71.621
Yxy	56.4611, 0.4433, 0.4124
Android (android.graphics.Color)	4294948964 (0xFFFFB864)
YUV	195.6530, -47.1569, 52.0473
Hunter-Lab	75.1406, 12.6796, 37.0099

Details

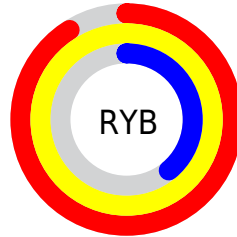
The Yxy color **56.4611, 0.4433, 0.4124** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.0605, 0.2139, 0.2206**, and the grayscale version is **55.2350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8801, 0.3782, 0.4156**, and **28.0565, 0.4730, 0.4257** is the 20% darker color. If you saturate the color by 10%, you get **51.3829, 0.4691, 0.4206**, and if you desaturate by 10%, it is **62.0854, 0.4174, 0.4009**.

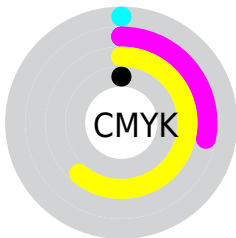
Distribution



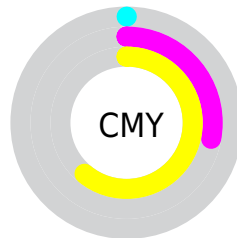
- Red (100%)
- Green (72%)
- Blue (39%)



- Red (91%)
- Yellow (100%)
- Blue (39%)



- Cyan (0%)
- Magenta (28%)
- Yellow (61%)
- Black (0%)





- Cyan (0%)
- Magenta (28%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.4611, 0.4433, 0.4124 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 56.4611, 0.4433, 0.4124 by changing the saturation by 10% instead.

 56.4611, 0.4433,
0.4124

 56.4611, 0.4433,
0.4124


411.4269, 0.3820,
0.3769

 40.5727, 0.4567,
0.4190


 99.6784, 0.4223,
0.4012


 27.9854, 0.4727,
0.4261


 127.7762, 0.4140,
0.3965

 18.3146, 0.4918,
0.4333

 160.7125, 0.4069,
0.3923

 11.1761, 0.5142,
0.4394

 198.8719, 0.4006,
0.3885

 6.1854, 0.5500,
0.4500

242.6386, 0.3951,
0.3851

 2.9582, 0.5665,
0.4335

292.3970, 0.3902,

 1.1099, 0.5943,

0.3821

0.4057

348.5317, 0.3859,
0.3794

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

56.4611, 0.4433,
0.4124

56.4611, 0.4433,
0.4124

51.3829, 0.4691,
0.4206

62.0854, 0.4174,
0.4009

46.8401, 0.4935,
0.4243

68.2919, 0.3926,
0.3873

42.8001, 0.5147,
0.4226

75.0968, 0.3696,
0.3727

39.4867, 0.5311,
0.4165

82.5193, 0.3488,
0.3580

90.5778, 0.3303,
0.3437

99.2895, 0.3139,
0.3300

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.



56.4611, 0.4544, 0.3599



56.4611, 0.4433, 0.4124



56.4611, 0.3963, 0.4523

Triad

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



56.4611, 0.4433, 0.4124



56.4611, 0.2123, 0.3392



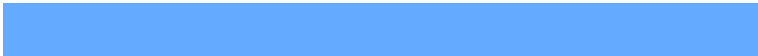
56.4611, 0.2821, 0.2303

Complementary

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



56.4611, 0.4433, 0.4124



39.0605, 0.2139, 0.2206

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.



56.4611, 0.2255, 0.2192



56.4611, 0.4433, 0.4124



56.4611, 0.1890, 0.2722

Square

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



56.4611, 0.4433, 0.4124



56.4611, 0.2626, 0.4139



56.4611, 0.1939, 0.2319



56.4611, 0.3548, 0.2615

Rectangle

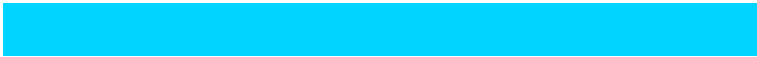
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.4611, 0.4433, 0.4124



56.4611, 0.3532, 0.4614



56.4611, 0.1939, 0.2319



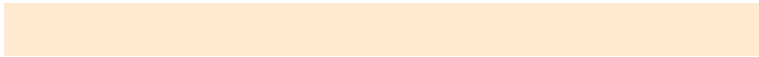
56.4611, 0.2607, 0.2242

Sweetspot

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



56.4565, 0.4433, 0.4124



84.6976, 0.3434, 0.3540



33.3663, 0.4115, 0.2577



17.6416, 0.3491, 0.3582



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.



56.4565, 0.4433, 0.4124



50.3311, 0.4747, 0.4219



92.7334, 0.3950, 0.4730



19.6180, 0.3281, 0.3419



20.9351, 0.5288, 0.4183



2.2570, 0.5129, 0.4310

Inverse Universe

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



39.0605, 0.2139, 0.2206



31.6350, 0.1971, 0.1944



19.3483, 0.1967, 0.1338



18.7489, 0.2979, 0.3158



10.6898, 0.1733, 0.1437



1.2562, 0.1792, 0.1652

Previews

White Background



This preview shows how the Yxy color 56.4611, 0.4433, 0.4124 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 56.4611, 0.4433, 0.4124 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 56.4611, 0.4433, 0.4124

Background



This preview shows how black text looks on a background with the Yxy color 56.4611, 0.4433, 0.4124.



This preview shows how white text looks on a background with the Yxy color 56.4611, 0.4433, 0.4124.

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

56.4611, 0.4433, 0.4124

Protanopia

56.9268, 0.3992, 0.4355

Deuteranopia

56.5291, 0.4312, 0.4220



Tritanopia

56.3784, 0.3715, 0.3166

Trichromacy



Original Color

56.4611, 0.4433, 0.4124

Protanomaly

56.7187, 0.4149, 0.4277

Deuteranomaly

56.3980, 0.4359, 0.4186

Tritanomaly

56.3368, 0.3993, 0.3534

Monochromacy



Original Color

56.4611, 0.4433, 0.4124

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

55.0242, 0.3583, 0.3658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4611, 0.4433, 0.4124 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 184, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 184, 100) }
```

Border

The CSS property to change the border of an element to Yxy 56.4611, 0.4433, 0.4124 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, 100) }
```

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

```
.border{ border-color:rgb(255, 184, 100) }
```

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, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 184, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 184, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 184,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4611, 0.4433, 0.4124 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, 100) }
```

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

```
.background{ background-color: rgb(255,  
184, 100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor