

Converting Colors

Yxy(57.6480, 0.4399, 0.4134)

Have a look what the booklet for
Yxy(57.6480, 0.4399, 0.4134)
contains.

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Color

Yxy(57.7600, 0.4397, 0.4136)

Conversions

Conversions Part 1

Format	Color
Hex	FFBB66
RGB	255, 187, 102
RGB Percent	100%, 73%, 40%
CMY	0.0001, 0.2666, 0.5999
CMYK	0.00, 0.27, 0.60, 0.00
HSL	33°, 100%, 70%
HSV	33°, 60%, 100%
XYZ	61.4049, 57.7600, 20.4869
YIQ	197.6420, 67.8130, -12.0190

Conversions

Conversions Part 2

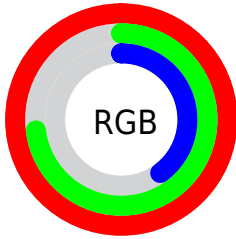
Format	Color
R _Y B	224, 255, 102
Decimal	16759654
CIE Lab	80.61, 15.84, 51.96
CIE LCh	81, 54.316, 73.047
Yxy	57.7600, 0.4397, 0.4136
Android (android.graphics.Color)	4294949734 (0xFFFFBB66)
YUV	197.6420, -47.1515, 50.3030
Hunter-Lab	76.0000, 11.2207, 37.2175

Details

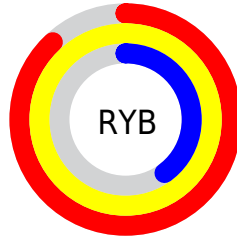
The Yxy color **57.7600, 0.4397, 0.4136** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.7900, 0.2144, 0.2194**, and the grayscale version is **56.5063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7277, 0.3759, 0.4164**, and **28.8913, 0.4681, 0.4276** is the 20% darker color. If you saturate the color by 10%, you get **52.7125, 0.4650, 0.4224**, and if you desaturate by 10%, it is **63.3481, 0.4144, 0.4016**.

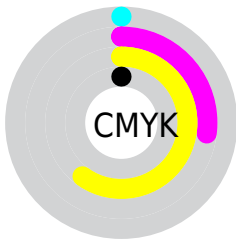
Distribution



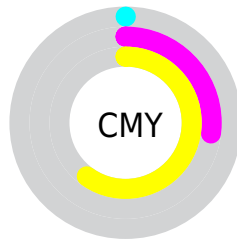
- Red (100%)
- Green (73%)
- Blue (40%)



- Red (88%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (27%)
- Yellow (60%)
- Black (0%)




- Cyan (0%)
- Magenta (27%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.7600, 0.4397, 0.4136 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 57.7600, 0.4397, 0.4136 by changing the saturation by 10% instead.


 57.7600, 0.4397,
0.4136


 57.7600, 0.4397,
0.4136


416.2910, 0.3803,
0.3774


 41.6157, 0.4527,
0.4204


 101.5733, 0.4194,
0.4021


 28.8005, 0.4681,
0.4279


 130.0111, 0.4114,
0.3972

 18.9300, 0.4865,
0.4357


 163.3155, 0.4045,
0.3930

 11.6197, 0.5081,
0.4426

 201.8710, 0.3984,
0.3891

 6.4853, 0.5419,
0.4541

246.0619, 0.3931,
0.3857

 3.1423, 0.5588,
0.4412

296.2726, 0.3883,

 1.2065, 0.5835,

0.3827

0.4165

352.8875, 0.3841,
0.3799

0.0670, 0.8705,
0.1295

0.0000, 0.0000,
0.0000

57.7600, 0.4397,
0.4136

57.7600, 0.4397,
0.4136

52.7125, 0.4650,
0.4224

63.3481, 0.4144,
0.4016

48.1735, 0.4888,
0.4268

69.4895, 0.3901,
0.3875

44.1192, 0.5097,
0.4258

76.2069, 0.3676,
0.3726

40.5115, 0.5270,
0.4198

83.5186, 0.3471,
0.3576

40.5082, 0.5270,
0.4197

91.4422, 0.3289,
0.3429

99.9935, 0.3127,
0.3290

99.9969, 0.3127,
0.3290

Harmonies

Analogous

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



57.7600, 0.4524, 0.3622



57.7600, 0.4397, 0.4136



57.7600, 0.3923, 0.4515

Triad

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



57.7600, 0.4397, 0.4136



57.7600, 0.2122, 0.3356



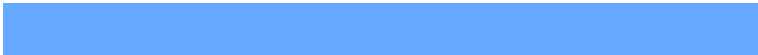
57.7600, 0.2858, 0.2328

Complementary

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



57.7600, 0.4397, 0.4136



38.7900, 0.2144, 0.2194

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.



57.7600, 0.2290, 0.2208



57.7600, 0.4397, 0.4136



57.7600, 0.1905, 0.2707

Square

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



57.7600, 0.4397, 0.4136



57.7600, 0.2607, 0.4092



57.7600, 0.1965, 0.2323



57.7600, 0.3576, 0.2644

Rectangle

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



57.7600, 0.4397, 0.4136



57.7600, 0.3495, 0.4588



57.7600, 0.1965, 0.2323



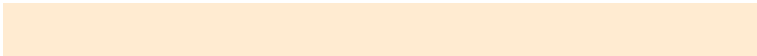
57.7600, 0.2645, 0.2264

Sweetspot

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



57.7628, 0.4397, 0.4136



85.0587, 0.3433, 0.3546



33.6979, 0.4128, 0.2609



17.7297, 0.3489, 0.3589



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.



57.7628, 0.4397, 0.4136



51.7675, 0.4699, 0.4237



92.3043, 0.3924, 0.4727



19.6610, 0.3280, 0.3422



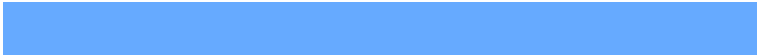
21.4722, 0.5248, 0.4215



2.3087, 0.5094, 0.4337

Inverse Universe

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



38.7900, 0.2144, 0.2194



31.3516, 0.1975, 0.1931



20.0190, 0.1998, 0.1370



18.7064, 0.2979, 0.3154



10.2668, 0.1720, 0.1393



1.2134, 0.1781, 0.1611

Previews

White Background



This preview shows how the Yxy color 57.7600, 0.4397, 0.4136 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 57.7600, 0.4397, 0.4136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

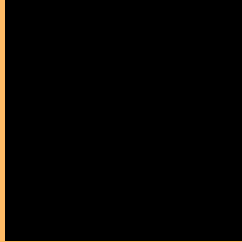
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 57.7600, 0.4397, 0.4136

Background



This preview shows how black text looks on a background with the Yxy color 57.7600, 0.4397, 0.4136.



This preview shows how white text looks on a background with the Yxy color 57.7600, 0.4397, 0.4136.

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

57.7600, 0.4397, 0.4136

Protanopia

58.2070, 0.3985, 0.4347

Deuteranopia

57.7940, 0.4301, 0.4214



Tritanopia

57.7083, 0.3680, 0.3166

Trichromacy



Original Color

57.7600, 0.4397, 0.4136

Protanomaly

57.8234, 0.4131, 0.4274

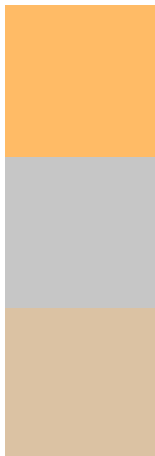
Deuteranomaly

57.9062, 0.4333, 0.4194

Tritanomaly

57.6302, 0.3963, 0.3545

Monochromacy



Original Color

57.7600, 0.4397, 0.4136

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

56.2880, 0.3579, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.7600, 0.4397, 0.4136 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, 187, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 187, 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, 187, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 102) }
```

Border

The CSS property to change the border of an element to Yxy 57.7600, 0.4397, 0.4136 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, 187, 102) }
```

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

```
.border{ border-color:rgb(255, 187, 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, 187, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 57.7600, 0.4397, 0.4136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 187, 102) }
```

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

```
.background{ background-color: rgb(255,  
187, 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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