

Converting Colors

$Y_{xy}(57.2350, 0.4529, 0.4290)$

Have a look what the booklet for
Yxy(57.2350, 0.4529, 0.4290)
contains.

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Color

Yxy(57.4098, 0.4524, 0.4290)

Conversions

Conversions Part 1

Format	Color
Hex	FFBB52
RGB	255, 187, 82
RGB Percent	100%, 73%, 32%
CMY	0.0000, 0.2667, 0.6785
CMYK	0.00, 0.27, 0.68, 0.00
HSL	36°, 100%, 66%
HSV	36°, 68%, 100%
XYZ	60.5412, 57.4098, 15.8713
YIQ	195.3620, 74.2330, -18.2390

Conversions

Conversions Part 2

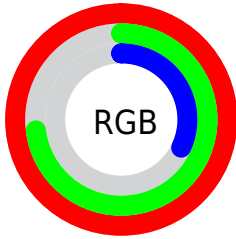
Format	Color
RYB	194, 255, 82
Decimal	16759634
CIELab	80.41, 14.65, 60.97
CIELCh	80, 62.702, 76.492
Yxy	57.4098, 0.4524, 0.4290
Android (android.graphics.Color)	4294949714 (0xFFFFBB52)
YUV	195.3620, -55.8875, 52.3025
Hunter-Lab	75.7693, 10.0291, 40.6190

Details

The Yxy color **57.4098, 0.4524, 0.4290** 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 **30.8267, 0.2001, 0.1902**, and the grayscale version is **55.1039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1388, 0.3870, 0.4338**, and **28.5897, 0.4810, 0.4443** is the 20% darker color. If you saturate the color by 10%, you get **52.9828, 0.4741, 0.4355**, and if you desaturate by 10%, it is **62.2724, 0.4292, 0.4183**.

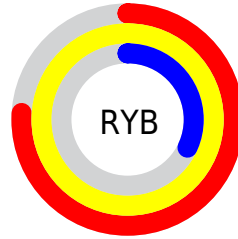
Distribution



Red (100%)

Green (73%)

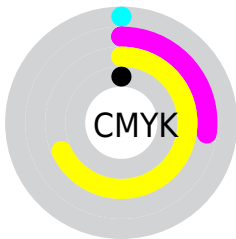
Blue (32%)



Red (76%)

Yellow (100%)

Blue (32%)

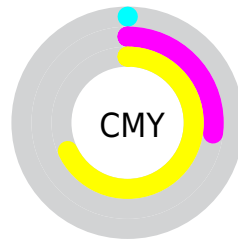


Cyan (0%)

Magenta (27%)

Yellow (68%)

Black (0%)



Cyan (0%)


Magenta (27%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.4098, 0.4524, 0.4290 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 57.4098, 0.4524, 0.4290 by changing the saturation by 10% instead.


 57.4098, 0.4524,
0.4290

 57.4098, 0.4524,
0.4290

414.9831, 0.3885,
0.3872

 41.3343, 0.4656,
0.4364


 101.0629, 0.4311,
0.4160


 28.5804, 0.4809,
0.4441


 129.4093, 0.4225,
0.4105


 18.7637, 0.4983,
0.4514


 162.6149, 0.4150,
0.4055

 11.4996, 0.5183,
0.4575

 201.0639, 0.4084,
0.4011

 6.4039, 0.5402,
0.4598

 245.1409, 0.4025,
0.3971

 3.0922, 0.5540,
0.4460

295.2301, 0.3973,

 1.1801, 0.5774,

0.3934

0.4226

351.7161, 0.3927,
0.3902

0.0453, 0.8983,
0.1017

0.0000, 0.0000,
0.0000

57.4098, 0.4524,
0.4290

57.4098, 0.4524,
0.4290

52.9828, 0.4741,
0.4355

62.2724, 0.4292,
0.4183

48.9766, 0.4932,
0.4369

67.5989, 0.4058,
0.4046

45.3597, 0.5088,
0.4329

73.4049, 0.3832,
0.3892

44.6237, 0.5120,
0.4317

79.7072, 0.3620,
0.3729

■ 86.5215, 0.3426,
0.3566

■ 93.8627, 0.3251,
0.3408

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.



57.4098, 0.4742, 0.3709



57.4098, 0.4524, 0.4290



57.4098, 0.3938, 0.4724

Triad

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



57.4098, 0.4524, 0.4290



57.4098, 0.1936, 0.3255



57.4098, 0.2901, 0.2235

Complementary

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



57.4098, 0.4524, 0.4290



30.8267, 0.2001, 0.1902

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.



57.4098, 0.2233, 0.2072



57.4098, 0.4524, 0.4290



57.4098, 0.1739, 0.2542

Square

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



57.4098, 0.4524, 0.4290



57.4098, 0.2444, 0.4139



57.4098, 0.1842, 0.2158



57.4098, 0.3736, 0.2607

Rectangle

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



57.4098, 0.4524, 0.4290



57.4098, 0.3438, 0.4796



57.4098, 0.1842, 0.2158



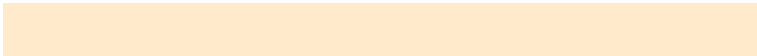
57.4098, 0.2651, 0.2155

Sweetspot

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



57.4071, 0.4524, 0.4290



85.0091, 0.3467, 0.3601



29.5346, 0.4459, 0.2641



17.7810, 0.3520, 0.3647



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.



57.4071, 0.4524, 0.4290



51.6749, 0.4805, 0.4365



90.2543, 0.3931, 0.4898



19.8218, 0.3279, 0.3434



23.6162, 0.5100, 0.4332



2.5124, 0.4969, 0.4437

Inverse Universe

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



30.8267, 0.2001, 0.1902



23.7297, 0.1831, 0.1596



15.9231, 0.1895, 0.1150



18.5490, 0.2979, 0.3142



8.8290, 0.1677, 0.1238



1.0651, 0.1740, 0.1462

Previews

White Background



This preview shows how the Yxy color 57.4098, 0.4524, 0.4290 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 57.4098, 0.4524, 0.4290 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 57.4098, 0.4524, 0.4290

Background



This preview shows how black text looks on a background with the Yxy color 57.4098, 0.4524, 0.4290.



This preview shows how white text looks on a background with the Yxy color 57.4098, 0.4524, 0.4290.

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

57.4098, 0.4524, 0.4290

Protanopia

57.5100, 0.4127, 0.4525

Deuteranopia

57.3775, 0.4448, 0.4355



Tritanopia

57.2618, 0.3692, 0.3166

Trichromacy



Original Color

57.4098, 0.4524, 0.4290

Protanomaly

57.1785, 0.4271, 0.4433

Deuteranomaly

57.4985, 0.4481, 0.4333

Tritanomaly

56.9503, 0.4037, 0.3618

Monochromacy



Original Color

57.4098, 0.4524, 0.4290

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

54.7841, 0.3640, 0.3742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.4098, 0.4524, 0.4290 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, 82)` looks like.

```
.text, #text, p{  
  color:rgb(255, 187, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 187, 82) }
```

Border

The CSS property to change the border of an element to Yxy 57.4098, 0.4524, 0.4290 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, 82) }
```

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

```
.border{ border-color:rgb(255, 187, 82) }
```

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, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 187, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 187, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 187,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 57.4098, 0.4524, 0.4290 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, 82) }
```

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

```
.background{ background-color: rgb(255,  
187, 82) }
```

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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