

Converting Colors

$Y_{xy}(82.8451, 0.5086, 0.3872)$

Have a look what the booklet for
Yxy(82.8451, 0.5086, 0.3872)
contains.

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Color

Yxy(58.5753, 0.4397, 0.4171)

Conversions

Conversions Part 1

Format	Color
Hex	FFBD64
RGB	255, 189, 100
RGB Percent	100%, 74%, 39%
CMY	0.0000, 0.2589, 0.6078
CMYK	0.00, 0.26, 0.61, 0.00
HSL	34°, 100%, 70%
HSV	34°, 61%, 100%
XYZ	61.7491, 58.5753, 20.1102
YIQ	198.5880, 67.9050, -13.6870

Conversions

Conversions Part 2

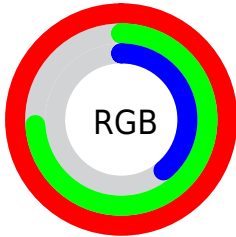
Format	Color
R _Y B	215, 255, 100
Decimal	16760164
CIE Lab	81.06, 14.69, 53.44
CIE LCh	81, 55.426, 74.626
Yxy	58.5753, 0.4397, 0.4171
Android (android.graphics.Color)	4294950244 (0xFFFFBD64)
YUV	198.5880, -48.6039, 49.4733
Hunter-Lab	76.5345, 10.0810, 37.9951

Details

The Yxy color **58.5753, 0.4397, 0.4171** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.2103, 0.2123, 0.2139**, and the grayscale version is **57.1154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8647, 0.3764, 0.4200**, and **29.4238, 0.4678, 0.4323** is the 20% darker color. If you saturate the color by 10%, you get **53.6531, 0.4640, 0.4260**, and if you desaturate by 10%, it is **63.9926, 0.4150, 0.4049**.

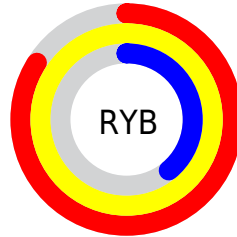
Distribution



Red (100%)

Green (74%)

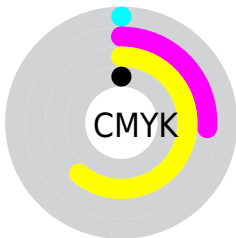
Blue (39%)



Red (84%)

Yellow (100%)

Blue (39%)

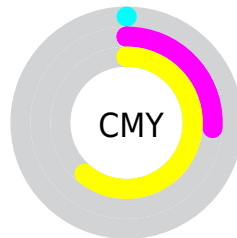


Cyan (0%)

Magenta (26%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (26%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5753, 0.4397, 0.4171 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 58.5753, 0.4397, 0.4171 by changing the saturation by 10% instead.


 58.5753, 0.4397,
0.4171


 58.5753, 0.4397,
0.4171


419.3262, 0.3807,
0.3794

 42.2713, 0.4524,
0.4242


 102.7602, 0.4196,
0.4051

 29.3138, 0.4675,
0.4320


 131.4098, 0.4117,
0.4001

 19.3183, 0.4854,
0.4401


 164.9435, 0.4048,
0.3956

 11.9005, 0.5061,
0.4474

 203.7457, 0.3987,
0.3916

 6.6760, 0.5394,
0.4601

248.2006, 0.3934,
0.3881

 3.2603, 0.5531,
0.4469

298.6927, 0.3887,

 1.2691, 0.5757,

0.3849

0.4243

355.6065, 0.3845,
0.3820

0.1171, 0.8006,
0.1994

0.0000, 0.0000,
0.0000

58.5753, 0.4397,
0.4171

58.5753, 0.4397,
0.4171

53.6531, 0.4640,
0.4260

63.9926, 0.4150,
0.4049

49.2174, 0.4868,
0.4304

69.9393, 0.3912,
0.3906

45.2376, 0.5065,
0.4294

76.4296, 0.3689,
0.3752

41.9393, 0.5216,
0.4241

83.4812, 0.3485,
0.3597

91.1104, 0.3302,
0.3445

99.3331, 0.3139,
0.3301

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.



58.5753, 0.4550, 0.3653



58.5753, 0.4397, 0.4171



58.5753, 0.3901, 0.4546

Triad

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



58.5753, 0.4397, 0.4171



58.5753, 0.2089, 0.3316



58.5753, 0.2890, 0.2328

Complementary

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



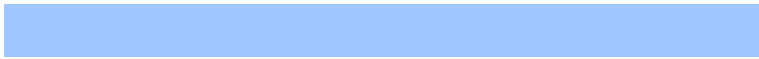
58.5753, 0.4397, 0.4171



37.2103, 0.2123, 0.2139

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.



58.5753, 0.2303, 0.2195



58.5753, 0.4397, 0.4171



58.5753, 0.1885, 0.2670

Square

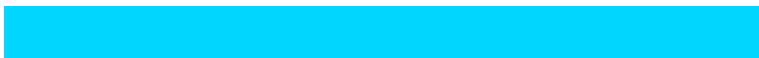
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.5753, 0.4397, 0.4171



58.5753, 0.2567, 0.4070



58.5753, 0.1961, 0.2296



58.5753, 0.3621, 0.2656

Rectangle

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



58.5753, 0.4397, 0.4171



58.5753, 0.3462, 0.4607



58.5753, 0.1961, 0.2296



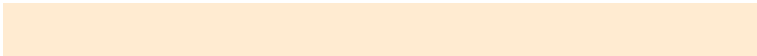
58.5753, 0.2670, 0.2260

Sweetspot

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



58.5707, 0.4397, 0.4171



85.5436, 0.3432, 0.3554



33.1728, 0.4182, 0.2628



17.8480, 0.3487, 0.3599



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.



58.5707, 0.4397, 0.4171



52.6277, 0.4693, 0.4274



91.7930, 0.3913, 0.4752



19.7188, 0.3280, 0.3426



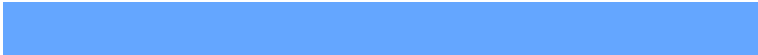
22.2165, 0.5194, 0.4258



2.3799, 0.5049, 0.4373

Inverse Universe

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



37.2103, 0.2123, 0.2139



29.7012, 0.1950, 0.1862



19.6734, 0.1997, 0.1351



18.6496, 0.2979, 0.3150



9.7253, 0.1705, 0.1336



1.1582, 0.1766, 0.1557

Previews

White Background



This preview shows how the Yxy color 58.5753, 0.4397, 0.4171 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 58.5753, 0.4397, 0.4171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

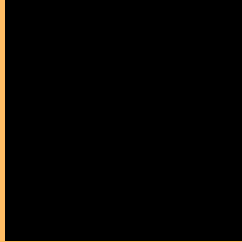
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.5753, 0.4397, 0.4171

Background



This preview shows how black text looks on a background with the Yxy color 58.5753, 0.4397, 0.4171.



This preview shows how white text looks on a background with the Yxy color 58.5753, 0.4397, 0.4171.

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

58.5753, 0.4397, 0.4171

Protanopia

58.7701, 0.4007, 0.4382

Deuteranopia

58.5566, 0.4324, 0.4233



Tritanopia

58.5662, 0.3667, 0.3177

Trichromacy



Original Color

58.5753, 0.4397, 0.4171

Protanomaly

58.4042, 0.4147, 0.4298

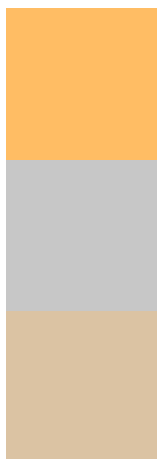
Deuteranomaly

58.6717, 0.4356, 0.4213

Tritanomaly

58.4611, 0.3955, 0.3565

Monochromacy



Original Color

58.5753, 0.4397, 0.4171

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

56.7346, 0.3576, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5753, 0.4397, 0.4171 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, 189, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 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, 189, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 100) }
```

Border

The CSS property to change the border of an element to Yxy 58.5753, 0.4397, 0.4171 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, 189, 100) }
```

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

```
.border{ border-color:rgb(255, 189, 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, 189, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 189, 100); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 189, 100); box-shadow:4px 4px 4px 4px rgb(255, 189, 100) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5753, 0.4397, 0.4171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 189, 100) }
```

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

```
.background{ background-color: rgb(255,  
189, 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](#).

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