

Converting Colors

$Y_{xy}(58.4310, 0.4305, 0.4040)$

Have a look what the booklet for
Yxy(58.4310, 0.4305, 0.4040)
contains.

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Color

Yxy(58.4413, 0.4305, 0.4041)

Conversions

Conversions Part 1

Format	Color
Hex	FFBC72
RGB	255, 188, 114
RGB Percent	100%, 74%, 45%
CMY	0.0000, 0.2627, 0.5529
CMYK	0.00, 0.26, 0.55, 0.00
HSL	31°, 100%, 72%
HSV	31°, 55%, 100%
XYZ	62.2593, 58.4413, 23.9203
YIQ	199.5970, 63.6860, -8.8100

Conversions

Conversions Part 2

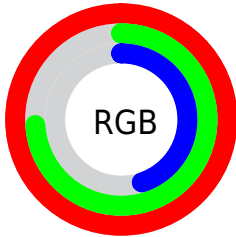
Format	Color
R _Y B	242, 255, 114
Decimal	16759922
CIE Lab	80.98, 16.20, 46.53
CIE LCh	81, 49.274, 70.802
Yxy	58.4413, 0.4305, 0.4041
Android (android.graphics.Color)	4294950002 (0xFFFFBC72)
YUV	199.5970, -42.1993, 48.5884
Hunter-Lab	76.4469, 11.5905, 34.9610

Details

The Yxy color **58.4413, 0.4305, 0.4041** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **43.8428, 0.2229, 0.2354**, and the grayscale version is **57.7349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7514, 0.3683, 0.4057**, and **29.2889, 0.4580, 0.4183** is the 20% darker color. If you saturate the color by 10%, you get **52.9808, 0.4573, 0.4139**, and if you desaturate by 10%, it is **64.5039, 0.4045, 0.3917**.

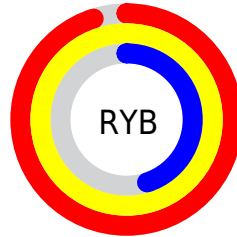
Distribution



Red (100%)

Green (74%)

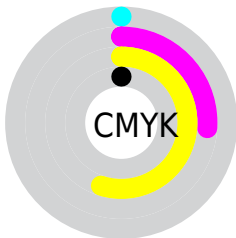
Blue (45%)



Red (95%)

Yellow (100%)

Blue (45%)

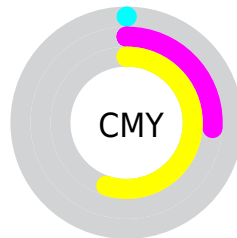


Cyan (0%)

Magenta (26%)

Yellow (55%)

Black (0%)



Cyan (0%)


Magenta (26%)

Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.4413, 0.4305, 0.4041 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 58.4413, 0.4305, 0.4041 by changing the saturation by 10% instead.

 58.4413, 0.4305,
0.4041


 58.4413, 0.4305,
0.4041


418.8283, 0.3749,
0.3716


 42.1635, 0.4429,
0.4105

 102.5652, 0.4113,
0.3936

 29.2294, 0.4579,
0.4176

 131.1801, 0.4038,
0.3892

 19.2544, 0.4762,
0.4253


 164.6763, 0.3973,
0.3854

 11.8542, 0.4984,
0.4329

203.4379, 0.3917,
0.3820

 6.6445, 0.5275,
0.4406

247.8496, 0.3867,
0.3790

 3.2408, 0.5596,
0.4404

298.2956, 0.3823,

 1.2587, 0.5843,

0.3763

0.4157

355.1604, 0.3784,
0.3738

0.1089, 0.8209,
0.1791

0.0000, 0.0000,
0.0000

58.4413, 0.4305,
0.4041

58.4413, 0.4305,
0.4041

52.9808, 0.4573,
0.4139

64.5039, 0.4045,
0.3917

48.0894, 0.4835,
0.4199

71.1825, 0.3803,
0.3779

43.7428, 0.5075,
0.4208

78.5010, 0.3582,
0.3636

39.9096, 0.5278,
0.4161

86.4790, 0.3385,
0.3494

■ 38.2651, 0.5362,
0.4125

■ 95.1354, 0.3210,
0.3359

99.9989, 0.3127,
0.3290

Harmonies

Analogous

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



58.4413, 0.4384, 0.3570



58.4413, 0.4305, 0.4041



58.4413, 0.3899, 0.4387

Triad

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



58.4413, 0.4305, 0.4041



58.4413, 0.2238, 0.3405



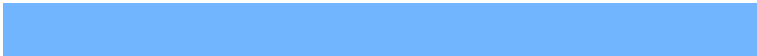
58.4413, 0.2841, 0.2393

Complementary

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



58.4413, 0.4305, 0.4041



43.8428, 0.2229, 0.2354

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.



58.4413, 0.2333, 0.2299



58.4413, 0.4305, 0.4041



58.4413, 0.2014, 0.2805

Square

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



58.4413, 0.4305, 0.4041



58.4413, 0.2702, 0.4050



58.4413, 0.2050, 0.2428



58.4413, 0.3487, 0.2673

Rectangle

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



58.4413, 0.4305, 0.4041



58.4413, 0.3517, 0.4460



58.4413, 0.2050, 0.2428



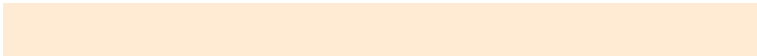
58.4413, 0.2650, 0.2339

Sweetspot

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



58.4442, 0.4305, 0.4041



85.0715, 0.3417, 0.3518



36.6791, 0.3955, 0.2604



17.8591, 0.3455, 0.3546



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.



58.4442, 0.4305, 0.4041



52.6176, 0.4592, 0.4145



93.5474, 0.3909, 0.4619



19.5650, 0.3281, 0.3415



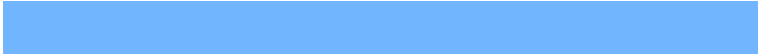
20.2968, 0.5338, 0.4144



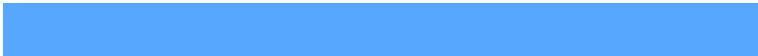
2.1951, 0.5171, 0.4276

Inverse Universe

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



43.8428, 0.2229, 0.2354



36.7459, 0.2073, 0.2133



22.9937, 0.2064, 0.1516



18.8014, 0.2979, 0.3162



11.2321, 0.1748, 0.1492



1.3106, 0.1807, 0.1703

Previews

White Background



This preview shows how the Yxy color 58.4413, 0.4305, 0.4041 looks on a white background.

Color Contrast Check

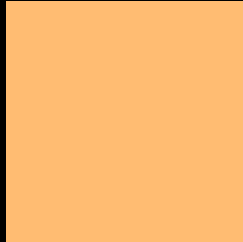
Large Text (above 18pt) WCAG AA × Fail

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 58.4413, 0.4305, 0.4041 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 58.4413, 0.4305, 0.4041

Background



This preview shows how black text looks on a background with the Yxy color 58.4413, 0.4305, 0.4041.



This preview shows how white text looks on a background with the Yxy color 58.4413, 0.4305, 0.4041.

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

58.4413, 0.4305, 0.4041

Protanopia

58.4773, 0.3904, 0.4225

Deuteranopia

58.4844, 0.4212, 0.4116



Tritanopia

58.5662, 0.3667, 0.3177

Trichromacy



Original Color

58.4413, 0.4305, 0.4041

Protanomaly

58.0878, 0.4048, 0.4158

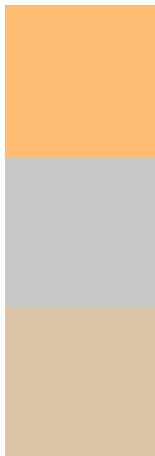
Deuteranomaly

58.5936, 0.4243, 0.4097

Tritanomaly

58.2213, 0.3915, 0.3502

Monochromacy



Original Color

58.4413, 0.4305, 0.4041

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

57.5601, 0.3534, 0.3605

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.4413, 0.4305, 0.4041 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, 188, 114)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 114)  
}
```

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, 188, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 114) }
```

Border

The CSS property to change the border of an element to Yxy 58.4413, 0.4305, 0.4041 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, 188, 114) }
```

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

```
.border{ border-color:rgb(255, 188, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 188, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 58.4413, 0.4305, 0.4041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 188, 114) }
```

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

```
.background{ background-color: rgb(255,  
188, 114) }
```

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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