

Converting Colors

$Y_{xy}(58.8909, 0.4286, 0.4034)$

Have a look what the booklet for
Yxy(58.8909, 0.4286, 0.4034)
contains.

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Color

Yxy(58.9161, 0.4284, 0.4033)

Conversions

Conversions Part 1

Format	Color
Hex	FFBD74
RGB	255, 189, 116
RGB Percent	100%, 74%, 45%
CMY	0.0001, 0.2588, 0.5452
CMYK	0.00, 0.26, 0.55, 0.00
HSL	32°, 100%, 73%
HSV	32°, 55%, 100%
XYZ	62.5828, 58.9161, 24.5861
YIQ	200.4120, 62.7690, -8.7110

Conversions

Conversions Part 2

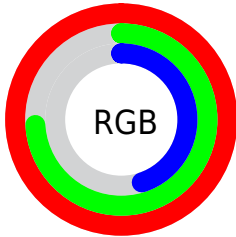
Format	Color
R _Y B	242, 255, 116
Decimal	16760180
CIE Lab	81.25, 15.82, 45.88
CIE LCh	81, 48.529, 70.968
Yxy	58.9161, 0.4284, 0.4033
Android (android.graphics.Color)	4294950260 (0xFFFFBD74)
YUV	200.4120, -41.6151, 47.8737
Hunter-Lab	76.7568, 11.2136, 34.7385

Details

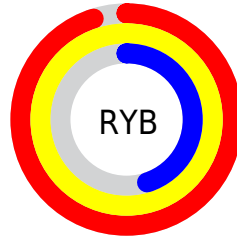
The Yxy color **58.9161, 0.4284, 0.4033** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **44.3567, 0.2241, 0.2369**, and the grayscale version is **58.2584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4294, 0.3667, 0.4046**, and **29.5921, 0.4553, 0.4176** is the 20% darker color. If you saturate the color by 10%, you get **53.4144, 0.4551, 0.4134**, and if you desaturate by 10%, it is **65.0206, 0.4026, 0.3907**.

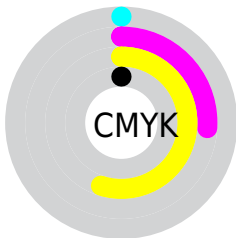
Distribution



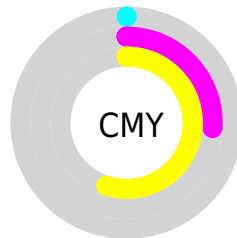
- Red (100%)
- Green (74%)
- Blue (45%)



- 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 58.9161, 0.4284, 0.4033 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 58.9161, 0.4284, 0.4033 by changing the saturation by 10% instead.

 58.9161, 0.4284,
0.4033


 58.9161, 0.4284,
0.4033


420.5909, 0.3738,
0.3711

 42.5456, 0.4406,
0.4096


 103.2557, 0.4096,
0.3928

 29.5287, 0.4554,
0.4168


 131.9936, 0.4022,
0.3885

 19.4812, 0.4734,
0.4246


 165.6227, 0.3958,
0.3847

 12.0185, 0.4953,
0.4325

204.5275, 0.3903,
0.3814

 6.7563, 0.5235,
0.4401

249.0923, 0.3854,
0.3784

 3.3101, 0.5576,
0.4424

299.7016, 0.3811,

 1.2957, 0.5814,

0.3757

0.4186

356.7396, 0.3773,
0.3733

0.1379, 0.7896,
0.2104

0.0000, 0.0000,
0.0000

58.9161, 0.4284,
0.4033

58.9161, 0.4284,
0.4033

53.4144, 0.4551,
0.4134

65.0206, 0.4026,
0.3907

48.4826, 0.4814,
0.4197

71.7417, 0.3785,
0.3768

44.0968, 0.5056,
0.4211

79.1029, 0.3566,
0.3625

40.2261, 0.5262,
0.4168

87.1239, 0.3370,
0.3484

■ 38.3034, 0.5360,
0.4126

■ 95.8233, 0.3198,
0.3349

99.9961, 0.3127,
0.3290

Harmonies

Analogous

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



58.9161, 0.4363, 0.3570



58.9161, 0.4284, 0.4033



58.9161, 0.3885, 0.4370

Triad

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



58.9161, 0.4284, 0.4033



58.9161, 0.2251, 0.3401



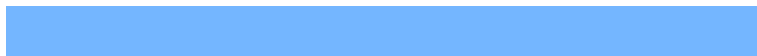
58.9161, 0.2850, 0.2407

Complementary

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



58.9161, 0.4284, 0.4033



44.3567, 0.2241, 0.2369

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.



58.9161, 0.2349, 0.2315



58.9161, 0.4284, 0.4033



58.9161, 0.2031, 0.2812

Square

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



58.9161, 0.4284, 0.4033



58.9161, 0.2707, 0.4032



58.9161, 0.2067, 0.2441



58.9161, 0.3484, 0.2684

Rectangle

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



58.9161, 0.4284, 0.4033



58.9161, 0.3508, 0.4438



58.9161, 0.2067, 0.2441



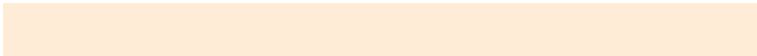
58.9161, 0.2662, 0.2354

Sweetspot

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



58.9190, 0.4284, 0.4033



85.9091, 0.3398, 0.3504



37.1650, 0.3938, 0.2612



18.0273, 0.3437, 0.3533



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.



58.9190, 0.4284, 0.4033



53.1737, 0.4564, 0.4138



93.5863, 0.3901, 0.4604



19.5670, 0.3281, 0.3415



20.3194, 0.5336, 0.4145



2.1973, 0.5170, 0.4277

Inverse Universe

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



44.3567, 0.2241, 0.2369



37.3245, 0.2086, 0.2152



23.5737, 0.2081, 0.1542



18.7995, 0.2979, 0.3162



11.2120, 0.1747, 0.1490



1.3086, 0.1806, 0.1702

Previews

White Background



This preview shows how the Yxy color 58.9161, 0.4284, 0.4033 looks on a white background.

Color Contrast Check

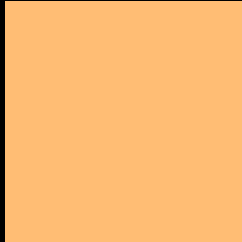
Large Text (above 18pt) WCAG AA × Fail

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 58.9161, 0.4284, 0.4033 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 58.9161, 0.4284, 0.4033

Background



This preview shows how black text looks on a background with the Yxy color 58.9161, 0.4284, 0.4033.



This preview shows how white text looks on a background with the Yxy color 58.9161, 0.4284, 0.4033.

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

58.9161, 0.4284, 0.4033

Protanopia

58.9937, 0.3885, 0.4214

Deuteranopia

58.9706, 0.4191, 0.4107



Tritanopia

59.0220, 0.3655, 0.3177

Trichromacy



Original Color

58.9161, 0.4284, 0.4033

Protanomaly

58.5881, 0.4028, 0.4148

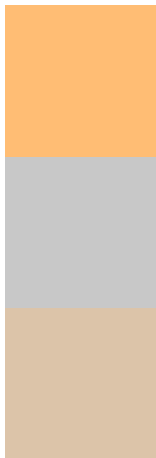
Deuteranomaly

59.0768, 0.4222, 0.4089

Tritanomaly

58.7111, 0.3894, 0.3492

Monochromacy



Original Color

58.9161, 0.4284, 0.4033

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 58.9161, 0.4284, 0.4033 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 189, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 189, 116) }
```

Border

The CSS property to change the border of an element to Yxy 58.9161, 0.4284, 0.4033 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, 116) }
```

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

```
.border{ border-color:rgb(255, 189, 116) }
```

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, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 189, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 189, 116);  
box-shadow:4px 4px 4px 4px rgb(255, 189,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9161, 0.4284, 0.4033 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, 116) }
```

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

```
.background{ background-color: rgb(255,  
189, 116) }
```

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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