

# Converting Colors

Yxy(58.4711, 0.4258, 0.4041)

Have a look what the booklet for  
Yxy(58.4711, 0.4258, 0.4041)  
contains.

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# Color

**Yxy(58.3516, 0.4259, 0.4041)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FCBD74
RGB	252, 189, 116
RGB Percent	99%, 74%, 45%
CMY	0.0117, 0.2588, 0.5450
CMYK	0.00, 0.25, 0.54, 0.01
HSL	32°, 96%, 72%
HSV	32°, 54%, 99%
XYZ	61.4995, 58.3516, 24.5478
YIQ	199.5150, 60.9810, -9.3470

# Conversions

## Conversions Part 2

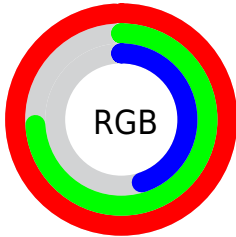
Format	Color
R <sub>YB</sub>	233, 252, 116
Decimal	16563572
CIE Lab	80.93, 14.64, 45.40
CIE LCh	81, 47.705, 72.124
Yxy	58.3516, 0.4259, 0.4041
Android (android.graphics.Color)	4294753652 (0xFFFCBD74)
YUV	199.5150, -41.1729, 46.0293
Hunter-Lab	76.3882, 10.0294, 34.4186

# Details

The Yxy color **58.3516, 0.4259, 0.4041** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **42.9946, 0.2246, 0.2360**, and the grayscale version is **57.6775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4294, 0.3667, 0.4046**, and **29.1964, 0.4521, 0.4191** is the 20% darker color. If you saturate the color by 10%, you get **53.0222, 0.4521, 0.4146**, and if you desaturate by 10%, it is **64.2503, 0.4005, 0.3912**.

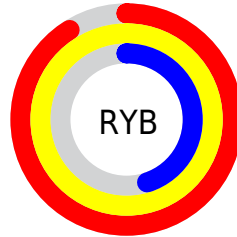
# Distribution



Red (99%)

Green (74%)

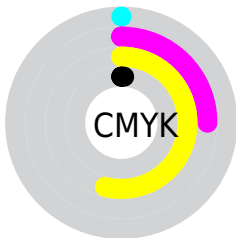
Blue (45%)



Red (91%)

Yellow (99%)

Blue (45%)

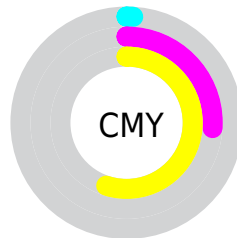


Cyan (0%)

Magenta (25%)

Yellow (54%)

Black (1%)



Cyan (1%)

Magenta (26%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3516, 0.4259, 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 58.3516, 0.4259, 0.4041 by changing the saturation by 10% instead.




 58.3516, 0.4259,  
0.4041


 58.3516, 0.4259,  
0.4041


418.4948, 0.3724,  
0.3712

 42.0914, 0.4379,  
0.4107


 102.4347, 0.4074,  
0.3934

 29.1729, 0.4524,  
0.4181


 131.0264, 0.4002,  
0.3890

 19.2116, 0.4701,  
0.4263


 164.4973, 0.3940,  
0.3851

 11.8233, 0.4917,  
0.4348

203.2319, 0.3885,  
0.3817

 6.6235, 0.5196,  
0.4433

247.6145, 0.3838,  
0.3786

 3.2278, 0.5531,  
0.4469

298.0296, 0.3795,

 1.2518, 0.5758,

0.3759

0.4242

354.8616, 0.3758,  
0.3735

0.1034, 0.8151,  
0.1849

0.0000, 0.0000,  
0.0000

58.3516, 0.4259,  
0.4041

58.3516, 0.4259,  
0.4041

53.0222, 0.4521,  
0.4146

64.2503, 0.4005,  
0.3912

48.2308, 0.4779,  
0.4214

70.7305, 0.3768,  
0.3770

43.9551, 0.5017,  
0.4233

77.8146, 0.3552,  
0.3624

40.1663, 0.5220,  
0.4197

85.5209, 0.3359,  
0.3480

38.0949, 0.5326,  
0.4153

93.8669, 0.3189,  
0.3342

99.4382, 0.3109,  
0.3290

# Harmonies

## Analogous

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



58.3516, 0.4350, 0.3586



58.3516, 0.4259, 0.4041



58.3516, 0.3856, 0.4364

# Triad

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



58.3516, 0.4259, 0.4041



58.3516, 0.2249, 0.3375



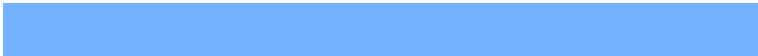
58.3516, 0.2876, 0.2425

# Complementary

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



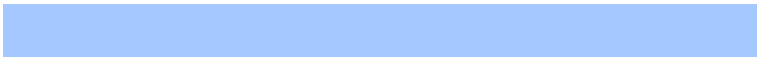
58.3516, 0.4259, 0.4041



42.9946, 0.2246, 0.2360

# 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.



58.3516, 0.2374, 0.2326



58.3516, 0.4259, 0.4041



58.3516, 0.2041, 0.2801

# Square

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



58.3516, 0.4259, 0.4041



58.3516, 0.2692, 0.4000



58.3516, 0.2086, 0.2443



58.3516, 0.3504, 0.2706



# Rectangle

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



58.3516, 0.4259, 0.4041



58.3516, 0.3482, 0.4420



58.3516, 0.2086, 0.2443



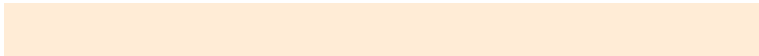
58.3516, 0.2689, 0.2370

# Sweetspot

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



58.3544, 0.4259, 0.4041



86.1713, 0.3397, 0.3509



36.4661, 0.3952, 0.2640



18.0897, 0.3436, 0.3538



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.



58.3544, 0.4259, 0.4041



53.9064, 0.4549, 0.4156



90.7533, 0.3878, 0.4601



18.7681, 0.3280, 0.3417



20.1399, 0.5302, 0.4172

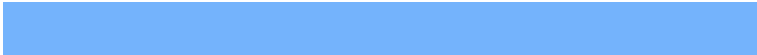


2.0775, 0.5133, 0.4306



# Inverse Universe

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



42.9946, 0.2246, 0.2360



36.6464, 0.2080, 0.2127



23.5552, 0.2107, 0.1568



17.9686, 0.2980, 0.3159



10.5478, 0.1738, 0.1455



1.1866, 0.1800, 0.1680



# Previews

## White Background



This preview shows how the Yxy color 58.3516, 0.4259, 0.4041 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

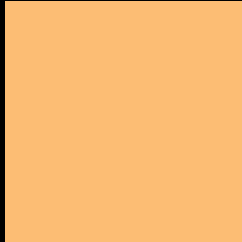
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.3516, 0.4259, 0.4041 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

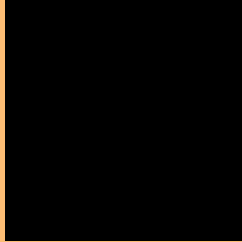
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.3516, 0.4259, 0.4041**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.3516, 0.4259, 0.4041.



This preview shows how white text looks on a background with the Yxy color 58.3516, 0.4259, 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

58.3516, 0.4259, 0.4041

### Protanopia

58.3694, 0.3882, 0.4207

### Deuteranopia

58.3496, 0.4189, 0.4101



## Tritanopia

58.2028, 0.3660, 0.3156

# Trichromacy



**Original Color**

58.3516, 0.4259, 0.4041

**Protanomaly**

58.4202, 0.4020, 0.4151

**Deuteranomaly**

58.4559, 0.4220, 0.4082

**Tritanomaly**

58.1050, 0.3889, 0.3482

# Monochromacy



**Original Color**

58.3516, 0.4259, 0.4041

**Achromatopsia**

57.7580, 0.3127, 0.3290

**Achromatomaly**

57.4045, 0.3525, 0.3606

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.3516, 0.4259, 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(252, 189, 116)` looks like.

```
.text, #text, p{  
    color:rgb(252, 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(252, 189, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 189, 116) }
```

## Border

The CSS property to change the border of an element to Yxy 58.3516, 0.4259, 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(252, 189, 116) }
```

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

```
.border{ border-color:rgb(252, 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(252, 189, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 189, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 189, 116);  
box-shadow:4px 4px 4px 4px rgb(252, 189,  
116) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.3516, 0.4259, 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(252, 189, 116) }
```

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

```
.background{ background-color: rgb(252,  
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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