

# Converting Colors

Yxy(58.5698, 0.3755, 0.3789)

Have a look what the booklet for  
Yxy(58.5698, 0.3755, 0.3789)  
contains.

<b>Yxy(58.5698, 0.3755, 0.3789)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(58.5698, 0.3755, 0.3789)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E6C498
RGB	230, 196, 152
RGB Percent	90%, 77%, 60%
CMY	0.0980, 0.2314, 0.4038
CMYK	0.00, 0.15, 0.34, 0.10
HSL	34°, 61%, 75%
HSV	34°, 34%, 90%
XYZ	58.0442, 58.5698, 37.9645
YIQ	201.1500, 34.3880, -6.4760

# Conversions

## Conversions Part 2

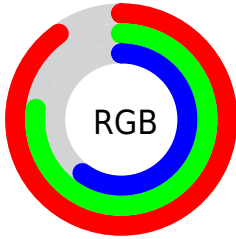
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 230, 152
Decimal	15123608
CIE <sub>Lab</sub>	81.05, 5.87, 26.57
CIE <sub>LCh</sub>	81, 27.208, 77.546
Yxy	58.5698, 0.3755, 0.3789
Android (android.graphics.Color)	4293313688 (0xFFE6C498)
YUV	201.1500, -24.2310, 25.3014
Hunter-Lab	76.5309, 1.4528, 24.1598

# Details

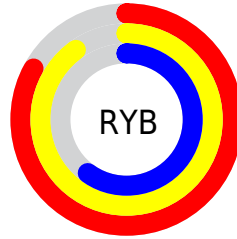
The Yxy color **58.5698, 0.3755, 0.3789** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.5260, 0.2575, 0.2731**, and the grayscale version is **58.6469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0156, 0.3415, 0.3742**, and **29.1698, 0.3910, 0.3898** is the 20% darker color. If you saturate the color by 10%, you get **53.5151, 0.3984, 0.3937**, and if you desaturate by 10%, it is **64.0786, 0.3545, 0.3637**.

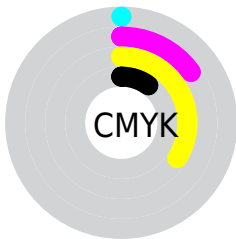
# Distribution



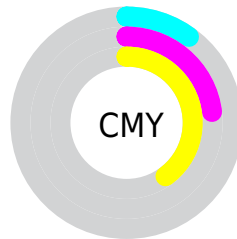
- Red (90%)
- Green (77%)
- Blue (60%)



- Red (83%)
- Yellow (90%)
- Blue (60%)



- Cyan (0%)
- Magenta (15%)
- Yellow (34%)
- Black (10%)




- Cyan (10%)
- Magenta (23%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.5698, 0.3755, 0.3789 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 58.5698, 0.3755, 0.3789 by changing the saturation by 10% instead.





 58.5698, 0.3755,  
0.3789

 58.5698, 0.3755,  
0.3789


419.3058, 0.3454,  
0.3555

 42.2669, 0.3826,  
0.3842


 102.7522, 0.3649,  
0.3708

 29.3103, 0.3914,  
0.3907

 131.4004, 0.3608,  
0.3676

 19.3157, 0.4027,  
0.3989


164.9326, 0.3573,  
0.3649

 11.8986, 0.4175,  
0.4092

203.7330, 0.3542,  
0.3625

 6.6747, 0.4375,  
0.4226

248.1862, 0.3516,  
0.3605

 3.2595, 0.4670,  
0.4409

298.6764, 0.3493,

 1.2687, 0.5241,

0.3586

0.4759

355.5882, 0.3472,  
0.3570

0.1167, 0.6853,  
0.3147

0.0000, 0.0000,  
0.0000

58.5698, 0.3755,  
0.3789

58.5698, 0.3755,  
0.3789

53.5151, 0.3984,  
0.3937

64.0786, 0.3545,  
0.3637

48.8922, 0.4228,  
0.4073

70.0469, 0.3356,  
0.3487

44.6881, 0.4477,  
0.4184

76.4903, 0.3187,  
0.3344

40.8864, 0.4721,  
0.4260

83.4209, 0.3039,  
0.3209

■ 37.4682, 0.4946,  
0.4287

■ 90.0507, 0.2975,  
0.3201

■ 34.4122, 0.5137,  
0.4260

■ 95.5642, 0.2976,  
0.3290

■ 32.7091, 0.5238,  
0.4223

# Harmonies

## Analogous

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



58.5698, 0.3830, 0.3542



58.5698, 0.3755, 0.3789



58.5698, 0.3509, 0.3918

# Triad

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



58.5698, 0.3755, 0.3789



58.5698, 0.2579, 0.3288



58.5698, 0.3054, 0.2792

# Complementary

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



58.5698, 0.3755, 0.3789



47.5260, 0.2575, 0.2731

# 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.



58.5698, 0.2734, 0.2713



58.5698, 0.3755, 0.3789



58.5698, 0.2472, 0.2976

# Square

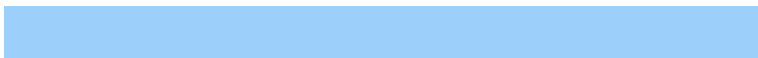
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



58.5698, 0.3755, 0.3789



58.5698, 0.2830, 0.3625



58.5698, 0.2527, 0.2774



58.5698, 0.3412, 0.2984



# Rectangle

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



58.5698, 0.3755, 0.3789



58.5698, 0.3287, 0.3904



58.5698, 0.2527, 0.2774



58.5698, 0.2939, 0.2751

# Sweetspot

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



58.5725, 0.3755, 0.3789



91.5737, 0.3289, 0.3431



42.8840, 0.3564, 0.2892



19.3577, 0.3313, 0.3452



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.



58.5725, 0.3755, 0.3789



69.2759, 0.3921, 0.3898



75.0521, 0.3608, 0.4142



15.7097, 0.3278, 0.3423



18.7644, 0.5218, 0.4239



1.5707, 0.5027, 0.4390

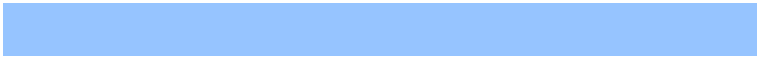


# Inverse Universe

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



47.5260, 0.2575, 0.2731



53.2474, 0.2450, 0.2586



35.2414, 0.2545, 0.2288



14.9161, 0.2981, 0.3154



8.6615, 0.1716, 0.1376



0.8221, 0.1794, 0.1659



# Previews

## White Background



This preview shows how the Yxy color 58.5698, 0.3755, 0.3789 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

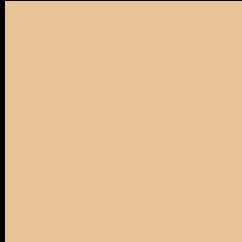
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 58.5698, 0.3755, 0.3789 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

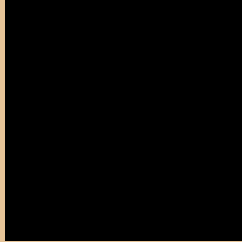
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.5698, 0.3755, 0.3789**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.5698, 0.3755, 0.3789.



This preview shows how white text looks on a background with the Yxy color 58.5698, 0.3755, 0.3789.

# 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

58.5698, 0.3755, 0.3789

### Protanopia

58.5535, 0.3595, 0.3845

### Deuteranopia

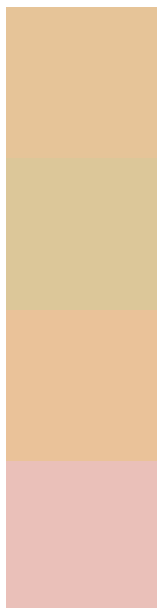
58.4444, 0.3819, 0.3735



## Tritanopia

58.5877, 0.3399, 0.3127

# Trichromacy



## Original Color

58.5698, 0.3755, 0.3789

## Protanomaly

58.3624, 0.3651, 0.3827

## Deuteranomaly

58.3759, 0.3789, 0.3751

## Tritanomaly

58.6945, 0.3532, 0.3369

# Monochromacy



## Original Color

58.5698, 0.3755, 0.3789

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

58.2628, 0.3351, 0.3479

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.5698, 0.3755, 0.3789 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(230, 196, 152)` looks like.

```
.text, #text, p{  
    color:rgb(230, 196, 152)  
}
```

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(230, 196, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 196, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 58.5698, 0.3755, 0.3789 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(230, 196, 152) }
```

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

```
.border{ border-color:rgb(230, 196, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 196, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 196, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 196, 152);  
box-shadow:4px 4px 4px 4px rgb(230, 196,  
152) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.5698, 0.3755, 0.3789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 196, 152) }
```

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

```
.background{ background-color: rgb(230,  
196, 152) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor