

# Converting Colors

$Y_{xy}(58.2271, 0.3741, 0.3656)$

Have a look what the booklet for  
Yxy(58.2271, 0.3741, 0.3656)  
contains.

<b>Yxy(58.3402, 0.3744, 0.3660)</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(58.3402, 0.3744, 0.3660)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBC1A0
RGB	235, 193, 160
RGB Percent	92%, 76%, 63%
CMY	0.0784, 0.2431, 0.3725
CMYK	0.00, 0.18, 0.32, 0.08
HSL	26°, 65%, 77%
HSV	26°, 32%, 92%
XYZ	59.6792, 58.3402, 41.3801
YIQ	201.7960, 35.6250, -1.3590

# Conversions

## Conversions Part 2

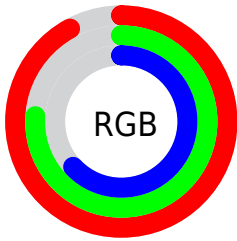
Format	Color
R <sub>Y</sub> B	235, 219, 160
Decimal	15450528
CIE Lab	80.93, 10.36, 22.25
CIE LCh	81, 24.542, 65.029
Yxy	58.3402, 0.3744, 0.3660
Android (android.graphics.Color)	4293640608 (0xFFEBC1A0)
YUV	201.7960, -20.6054, 29.1199
Hunter-Lab	76.3808, 5.8024, 21.3455

# Details

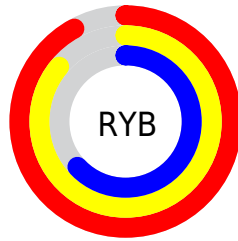
The Yxy color **58.3402, 0.3744, 0.3660** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.7261, 0.2622, 0.2887**, and the grayscale version is **59.0457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9177, 0.3372, 0.3625**, and **29.0129, 0.3909, 0.3743** is the 20% darker color. If you saturate the color by 10%, you get **52.0329, 0.3997, 0.3779**, and if you desaturate by 10%, it is **65.3265, 0.3520, 0.3539**.

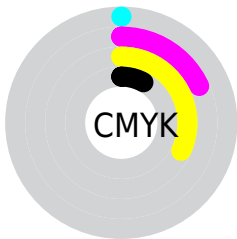
# Distribution



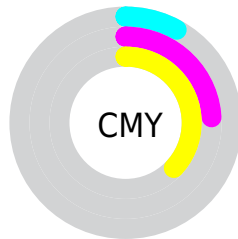
- Red (92%)
- Green (76%)
- Blue (63%)



- Red (92%)
- Yellow (86%)
- Blue (63%)



- Cyan (0%)
- Magenta (18%)
- Yellow (32%)
- Black (8%)



- Cyan (8%)
- Magenta (24%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.3402, 0.3744, 0.3660 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 58.3402, 0.3744, 0.3660 by changing the saturation by 10% instead.





 58.3402, 0.3744,  
0.3660


 58.3402, 0.3744,  
0.3660

418.4524, 0.3446,  
0.3489

 42.0822, 0.3815,  
0.3698


 102.4181, 0.3638,  
0.3601

 29.1657, 0.3904,  
0.3745


 131.0068, 0.3598,  
0.3578

 19.2062, 0.4019,  
0.3803


164.4745, 0.3563,  
0.3558

 11.8194, 0.4171,  
0.3877

203.2057, 0.3533,  
0.3541

 6.6208, 0.4383,  
0.3970

247.5847, 0.3507,  
0.3525

 3.2261, 0.4691,  
0.4085

297.9958, 0.3484,

 1.2509, 0.5512,

0.3512

0.4488

354.8236, 0.3464,  
0.3500

0.1027, 0.7734,  
0.2266

0.0000, 0.0000,  
0.0000

58.3402, 0.3744,  
0.3660

58.3402, 0.3744,  
0.3660

52.0329, 0.3997,  
0.3779

65.3265, 0.3520,  
0.3539

46.3742, 0.4276,  
0.3888

73.0048, 0.3325,  
0.3422

41.3431, 0.4576,  
0.3977

81.3976, 0.3157,  
0.3310

36.9144, 0.4882,  
0.4034

90.5242, 0.3011,  
0.3207

■ 33.0601, 0.5174,  
0.4044

■ 96.4036, 0.3005,  
0.3290

■ 29.7492, 0.5432,  
0.4000

■ 27.4374, 0.5607,  
0.3930

# Harmonies

## Analogous

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



58.3402, 0.3734, 0.3413



58.3402, 0.3744, 0.3660



58.3402, 0.3581, 0.3827

# Triad

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



58.3402, 0.3744, 0.3660



58.3402, 0.2712, 0.3419



58.3402, 0.2932, 0.2793

# Complementary

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



58.3402, 0.3744, 0.3660



55.7261, 0.2622, 0.2887

# 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.



58.3402, 0.2677, 0.2774



58.3402, 0.3744, 0.3660



58.3402, 0.2556, 0.3117

# Square

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



58.3402, 0.3744, 0.3660



58.3402, 0.2982, 0.3697



58.3402, 0.2544, 0.2885



58.3402, 0.3252, 0.2929



# Rectangle

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



58.3402, 0.3744, 0.3660



58.3402, 0.3402, 0.3860



58.3402, 0.2544, 0.2885



58.3402, 0.2836, 0.2772

# Sweetspot

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



58.3429, 0.3744, 0.3660



89.6878, 0.3292, 0.3401



47.0996, 0.3448, 0.2822



18.9017, 0.3317, 0.3417



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.



58.3429, 0.3744, 0.3660



65.3755, 0.3899, 0.3735



76.8008, 0.3624, 0.4039



16.1443, 0.3282, 0.3394



15.5137, 0.5580, 0.3951



1.4069, 0.5341, 0.4141



# Inverse Universe

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



55.7261, 0.2622, 0.2887



61.7758, 0.2523, 0.2793



40.3902, 0.2565, 0.2412



15.9487, 0.2981, 0.3184



12.7265, 0.1829, 0.1785



1.1905, 0.1892, 0.2012



# Previews

## White Background



This preview shows how the Yxy color 58.3402, 0.3744, 0.3660 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 58.3402, 0.3744, 0.3660 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

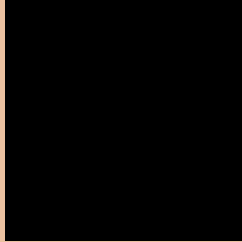
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.3402, 0.3744, 0.3660**

## Background



This preview shows how black text looks on a background with the Yxy color 58.3402, 0.3744, 0.3660.



This preview shows how white text looks on a background with the Yxy color 58.3402, 0.3744, 0.3660.

# 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

58.3402, 0.3744, 0.3660

### Protanopia

58.5998, 0.3501, 0.3729

### Deuteranopia

58.3402, 0.3744, 0.3660



## Tritanopia

58.3302, 0.3452, 0.3129

# Trichromacy



**Original Color**

58.3402, 0.3744, 0.3660

**Protanomaly**

58.4047, 0.3585, 0.3697

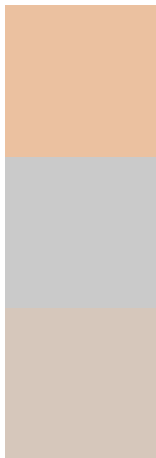
**Deuteranomaly**

58.3402, 0.3744, 0.3660

**Tritanomaly**

58.1602, 0.3556, 0.3313

# Monochromacy



**Original Color**

58.3402, 0.3744, 0.3660

**Achromatopsia**

59.0619, 0.3127, 0.3290

**Achromatomaly**

58.7308, 0.3337, 0.3431

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.3402, 0.3744, 0.3660 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(235, 193, 160)` looks like.

```
.text, #text, p{  
    color:rgb(235, 193, 160)  
}
```

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(235, 193, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 193, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 58.3402, 0.3744, 0.3660 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(235, 193, 160) }
```

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

```
.border{ border-color:rgb(235, 193, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 193, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 193, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 193, 160);  
box-shadow:4px 4px 4px 4px rgb(235, 193,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.3402, 0.3744, 0.3660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 193, 160) }
```

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

```
.background{ background-color: rgb(235,  
193, 160) }
```

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