

# Converting Colors

$Yxy(62.8544, 0.3584, 0.3618)$

Have a look what the booklet for  
Yxy(62.8544, 0.3584, 0.3618)  
contains.

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# Color

**Yxy(62.8848, 0.3585, 0.3625)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8CBAD
RGB	232, 203, 173
RGB Percent	91%, 80%, 68%
CMY	0.0900, 0.2040, 0.3215
CMYK	0.00, 0.13, 0.25, 0.09
HSL	30°, 56%, 79%
HSV	30°, 25%, 91%
XYZ	62.1909, 62.8848, 48.3996
YIQ	208.2510, 26.9140, -3.1820

# Conversions

## Conversions Part 2

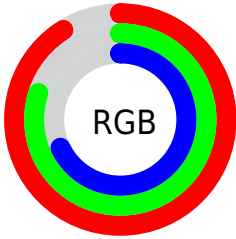
Format	Color
<b>R<sub>YB</sub></b>	230, 232, 173
Decimal	15256493
CIE <sub>Lab</sub>	83.38, 5.71, 18.71
CIE <sub>LCh</sub>	83, 19.563, 73.039
Yxy	62.8848, 0.3585, 0.3625
Android (android.graphics.Color)	4293446573 (0xFFE8CBAD)
YUV	208.2510, -17.3787, 20.8279
Hunter-Lab	79.2999, 1.2136, 19.3231

# Details

The Yxy color **62.8848, 0.3585, 0.3625** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.9919, 0.2722, 0.2930**, and the grayscale version is **63.3550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4371, 0.3280, 0.3542**, and **32.1055, 0.3698, 0.3699** is the 20% darker color. If you saturate the color by 10%, you get **56.8678, 0.3807, 0.3763**, and if you desaturate by 10%, it is **69.4612, 0.3387, 0.3489**.

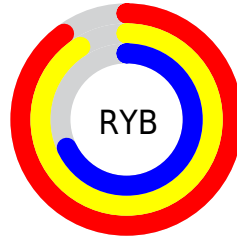
# Distribution



Red (91%)

Green (80%)

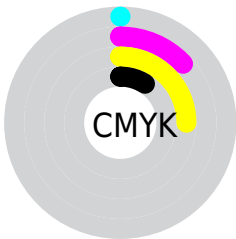
Blue (68%)



Red (90%)

Yellow (91%)

Blue (68%)

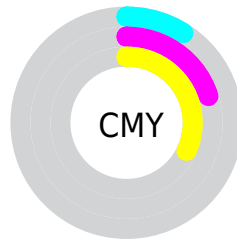


Cyan (0%)

Magenta (13%)

Yellow (25%)

Black (9%)



Cyan (9%)

Magenta (20%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8848, 0.3585, 0.3625 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 62.8848, 0.3585, 0.3625 by changing the saturation by 10% instead.




 62.8848, 0.3585,  
0.3625

 62.8848, 0.3585,  
0.3625

435.1513, 0.3367,  
0.3469

 45.7480, 0.3636,  
0.3661


 109.0033, 0.3508,  
0.3571

 32.0470, 0.3700,  
0.3705

138.7538, 0.3479,  
0.3550

 21.3974, 0.3782,  
0.3760


173.4777, 0.3453,  
0.3532

 13.4148, 0.3891,  
0.3832

213.5593, 0.3431,  
0.3516

 7.7148, 0.4041,  
0.3928

259.3831, 0.3412,  
0.3502

 3.9130, 0.4261,  
0.4059

311.3334, 0.3395,

 1.6250, 0.4774,

0.3490

0.4401

369.7947, 0.3380,  
0.3479

0.3744, 0.5694,  
0.4306

0.0000, 0.0000,  
0.0000

62.8848, 0.3585,  
0.3625

62.8848, 0.3585,  
0.3625

56.8678, 0.3807,  
0.3763

69.4612, 0.3387,  
0.3489

51.3850, 0.4053,  
0.3896

76.6041, 0.3213,  
0.3358

46.4217, 0.4317,  
0.4016

84.3313, 0.3060,  
0.3235

41.9590, 0.4591,  
0.4111

91.9399, 0.2988,  
0.3227

■ 37.9765, 0.4860,  
0.4167

■ 95.9047, 0.2988,  
0.3290

■ 34.4516, 0.5109,  
0.4174

■ 31.3583, 0.5319,  
0.4125

■ 30.0777, 0.5406,  
0.4090

# Harmonies

## Analogous

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



62.8848, 0.3614, 0.3445



62.8848, 0.3585, 0.3625



62.8848, 0.3431, 0.3723

# Triad

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



62.8848, 0.3585, 0.3625



62.8848, 0.2760, 0.3329



62.8848, 0.3041, 0.2918

# Complementary

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



62.8848, 0.3585, 0.3625



56.9919, 0.2722, 0.2930

# 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.



62.8848, 0.2821, 0.2878



62.8848, 0.3585, 0.3625



62.8848, 0.2664, 0.3104

# Square

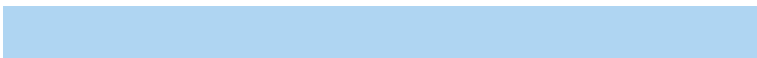
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.8848, 0.3585, 0.3625



62.8848, 0.2953, 0.3553



62.8848, 0.2686, 0.2942



62.8848, 0.3293, 0.3047



# Rectangle

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



62.8848, 0.3585, 0.3625



62.8848, 0.3280, 0.3722



62.8848, 0.2686, 0.2942



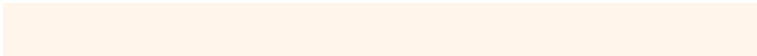
62.8848, 0.2961, 0.2894

# Sweetspot

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



62.8877, 0.3585, 0.3625



92.5139, 0.3256, 0.3391



51.3453, 0.3402, 0.2962



19.5116, 0.3282, 0.3411



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.



62.8877, 0.3585, 0.3625



73.5472, 0.3709, 0.3704



77.9256, 0.3511, 0.3925



16.3183, 0.3280, 0.3410



17.4700, 0.5382, 0.4108



1.5644, 0.5174, 0.4274

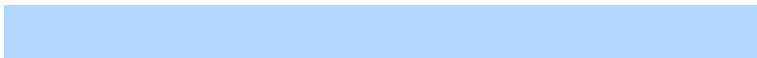


# Inverse Universe

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



56.9919, 0.2722, 0.2930



64.9772, 0.2627, 0.2835



44.6056, 0.2689, 0.2565



15.7736, 0.2981, 0.3167



10.5049, 0.1765, 0.1555

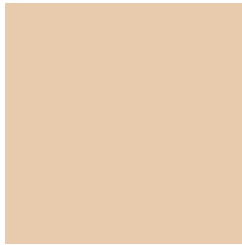


1.0171, 0.1836, 0.1808



# Previews

## White Background



This preview shows how the Yxy color 62.8848, 0.3585, 0.3625 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

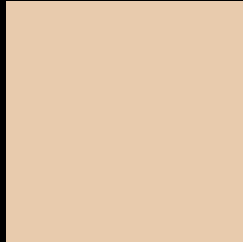
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.8848, 0.3585, 0.3625 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 62.8848, 0.3585, 0.3625**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.8848, 0.3585, 0.3625.



This preview shows how white text looks on a background with the Yxy color 62.8848, 0.3585, 0.3625.

# 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

62.8848, 0.3585, 0.3625

### Protanopia

62.7809, 0.3454, 0.3659

### Deuteranopia

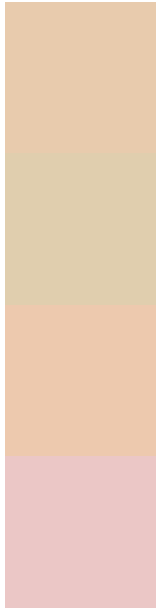
62.8898, 0.3651, 0.3575



## Tritanopia

62.7411, 0.3325, 0.3119

# Trichromacy



**Original Color**

62.8848, 0.3585, 0.3625

**Protanomaly**

63.0459, 0.3504, 0.3654

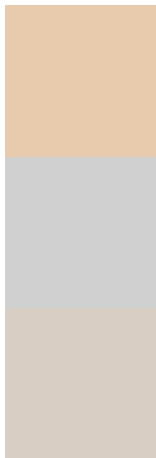
**Deuteranomaly**

62.8338, 0.3623, 0.3588

**Tritanomaly**

62.5862, 0.3423, 0.3302

# Monochromacy



**Original Color**

62.8848, 0.3585, 0.3625

**Achromatopsia**

63.0757, 0.3127, 0.3290

**Achromatomaly**

62.8345, 0.3291, 0.3416

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.8848, 0.3585, 0.3625 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(232, 203, 173)` looks like.

```
.text, #text, p{  
    color:rgb(232, 203, 173)  
}
```

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(232, 203, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 203, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 62.8848, 0.3585, 0.3625 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(232, 203, 173) }
```

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

```
.border{ border-color:rgb(232, 203, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 203, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 203, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 203, 173);  
box-shadow:4px 4px 4px 4px rgb(232, 203,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.8848, 0.3585, 0.3625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 203, 173) }
```

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

```
.background{ background-color: rgb(232,  
203, 173) }
```

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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