

# Converting Colors

Yxy(64.0780, 0.3658, 0.3722)

Have a look what the booklet for  
Yxy(64.0780, 0.3658, 0.3722)  
contains.

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# Color

**Yxy(64.0780, 0.3658, 0.3722)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBCDA6
RGB	235, 205, 166
RGB Percent	92%, 80%, 65%
CMY	0.0784, 0.1961, 0.3492
CMYK	0.00, 0.13, 0.29, 0.08
HSL	34°, 63%, 79%
HSV	34°, 29%, 92%
XYZ	62.9762, 64.0780, 45.1060
YIQ	209.5240, 30.3990, -5.7690

# Conversions

## Conversions Part 2

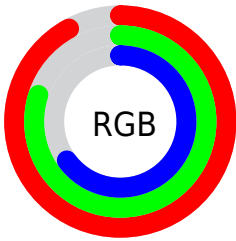
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 235, 166
Decimal	15453606
CIE <sub>Lab</sub>	84.01, 4.83, 23.33
CIE <sub>LCh</sub>	84, 23.828, 78.296
Yxy	64.0780, 0.3658, 0.3722
Android (android.graphics.Color)	4293643686 (0xFFEBCDA6)
YUV	209.5240, -21.4573, 22.3425
Hunter-Lab	80.0487, 0.3448, 22.6253

# Details

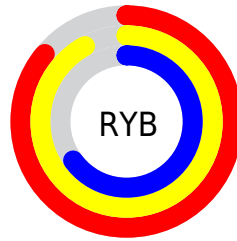
The Yxy color **64.0780, 0.3658, 0.3722** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.5701, 0.2651, 0.2815**, and the grayscale version is **64.2497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **32.8131, 0.3783, 0.3824** is the 20% darker color. If you saturate the color by 10%, you get **58.5675, 0.3879, 0.3873**, and if you desaturate by 10%, it is **70.0710, 0.3457, 0.3570**.

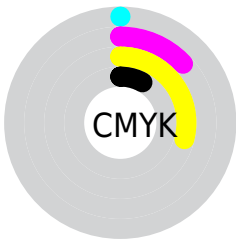
# Distribution



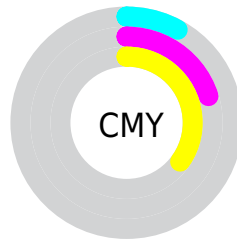
- Red (92%)
- Green (80%)
- Blue (65%)



- Red (86%)
- Yellow (92%)
- Blue (65%)



- Cyan (0%)
- Magenta (13%)
- Yellow (29%)
- Black (8%)




- Cyan (8%)
- Magenta (20%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0780, 0.3658, 0.3722 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 64.0780, 0.3658, 0.3722 by changing the saturation by 10% instead.




 64.0780, 0.3658,  
0.3722

 64.0780, 0.3658,  
0.3722


439.4713, 0.3407,  
0.3521

 46.7139, 0.3716,  
0.3767


 110.7233, 0.3570,  
0.3653

 32.8095, 0.3789,  
0.3823


 140.7732, 0.3536,  
0.3625

 21.9806, 0.3881,  
0.3893


175.8204, 0.3507,  
0.3602

 13.8426, 0.4002,  
0.3983

216.2495, 0.3481,  
0.3582

 8.0113, 0.4166,  
0.4101

262.4447, 0.3459,  
0.3564

 4.1022, 0.4398,  
0.4259

314.7905, 0.3440,

 1.7309, 0.5067,

0.3548

0.4775

373.6712, 0.3422,  
0.3534

0.4435, 0.5488,  
0.4512

0.0000, 0.0000,  
0.0000

64.0780, 0.3658,  
0.3722

64.0780, 0.3658,  
0.3722

58.5675, 0.3879,  
0.3873

70.0710, 0.3457,  
0.3570

53.5161, 0.4117,  
0.4016

76.5516, 0.3277,  
0.3422

48.9110, 0.4365,  
0.4140

83.5357, 0.3118,  
0.3282

44.7354, 0.4613,  
0.4234

90.7118, 0.3006,  
0.3199

■ 40.9707, 0.4847,  
0.4284

■ 96.4049, 0.3005,  
0.3290

■ 37.5959, 0.5054,  
0.4282

■ 34.5812, 0.5225,  
0.4229

■ 34.4052, 0.5236,  
0.4225

# Harmonies

## Analogous

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



64.0780, 0.3724, 0.3515



64.0780, 0.3658, 0.3722



64.0780, 0.3448, 0.3823

# Triad

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



64.0780, 0.3658, 0.3722



64.0780, 0.2655, 0.3284



64.0780, 0.3074, 0.2865

# Complementary

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



64.0780, 0.3658, 0.3722



53.5701, 0.2651, 0.2815

# 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.



64.0780, 0.2798, 0.2796



64.0780, 0.3658, 0.3722



64.0780, 0.2565, 0.3020

# Square

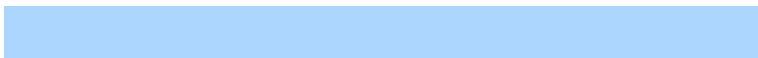
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.0780, 0.3658, 0.3722



64.0780, 0.2868, 0.3566



64.0780, 0.2616, 0.2847



64.0780, 0.3377, 0.3034



# Rectangle

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



64.0780, 0.3658, 0.3722



64.0780, 0.3258, 0.3806



64.0780, 0.2616, 0.2847



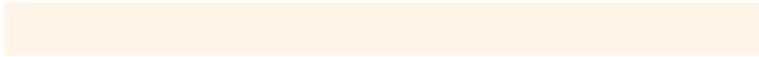
64.0780, 0.2975, 0.2829

# Sweetspot

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



64.0809, 0.3658, 0.3722



92.4092, 0.3271, 0.3417



48.9561, 0.3489, 0.2946



19.5267, 0.3296, 0.3438



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

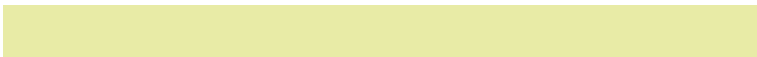
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.0809, 0.3658, 0.3722



73.2234, 0.3783, 0.3810



79.2606, 0.3545, 0.4030



16.4673, 0.3279, 0.3423



19.4038, 0.5215, 0.4242



1.7145, 0.5034, 0.4385



# Inverse Universe

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



53.5701, 0.2651, 0.2815



58.7429, 0.2553, 0.2704



41.7383, 0.2635, 0.2439



15.6259, 0.2980, 0.3153



8.8854, 0.1714, 0.1370

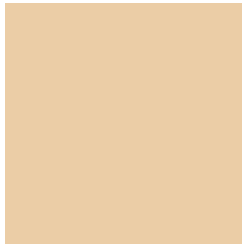


0.8859, 0.1788, 0.1638



# Previews

## White Background



This preview shows how the Yxy color 64.0780, 0.3658, 0.3722 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

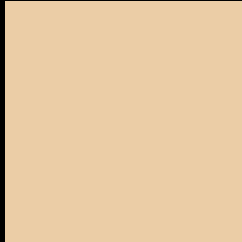
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.0780, 0.3658, 0.3722 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

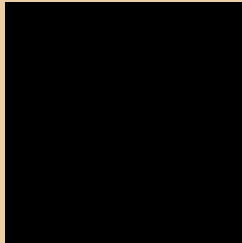
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 64.0780, 0.3658, 0.3722**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.0780, 0.3658, 0.3722.



This preview shows how white text looks on a background with the Yxy color 64.0780, 0.3658, 0.3722.

# 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

64.0780, 0.3658, 0.3722

### Protanopia

64.1161, 0.3533, 0.3757

### Deuteranopia

63.7964, 0.3737, 0.3658



## Tritanopia

63.9440, 0.3348, 0.3121

# Trichromacy



## Original Color

64.0780, 0.3658, 0.3722

## Protanomaly

64.2327, 0.3576, 0.3752

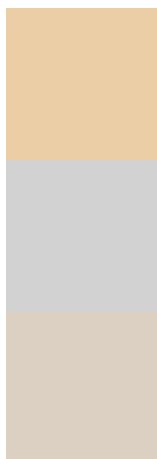
## Deuteranomaly

63.7319, 0.3709, 0.3672

## Tritanomaly

64.1552, 0.3459, 0.3334

# Monochromacy



## Original Color

64.0780, 0.3658, 0.3722

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

64.0669, 0.3312, 0.3449

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.0780, 0.3658, 0.3722 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, 205, 166)` looks like.

```
.text, #text, p{  
    color:rgb(235, 205, 166)  
}
```

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, 205, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 205, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 64.0780, 0.3658, 0.3722 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, 205, 166) }
```

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

```
.border{ border-color:rgb(235, 205, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 205, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 205, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 205, 166);  
box-shadow:4px 4px 4px 4px rgb(235, 205,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.0780, 0.3658, 0.3722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 205, 166) }
```

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

```
.background{ background-color: rgb(235,  
205, 166) }
```

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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