

# Converting Colors

$Yxy(64.3404, 0.3538, 0.3602)$

Have a look what the booklet for  
Yxy(64.3404, 0.3538, 0.3602)  
contains.

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# Color

**Yxy(64.5128, 0.3539, 0.3601)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8CEB2
RGB	232, 206, 178
RGB Percent	91%, 81%, 70%
CMY	0.0900, 0.1922, 0.3019
CMYK	0.00, 0.11, 0.23, 0.09
HSL	31°, 54%, 80%
HSV	31°, 23%, 91%
XYZ	63.4021, 64.5128, 51.2376
YIQ	210.5820, 24.4840, -3.1960

# Conversions

## Conversions Part 2

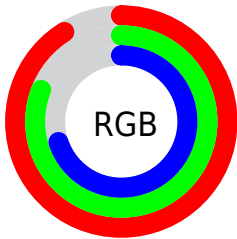
Format	Color
R <sub>Y</sub> B	228, 232, 178
Decimal	15257266
CIE Lab	84.23, 4.84, 17.25
CIE LCh	84, 17.917, 74.323
Yxy	64.5128, 0.3539, 0.3601
Android (android.graphics.Color)	4293447346 (0xFFE8CEB2)
YUV	210.5820, -16.0629, 18.7836
Hunter-Lab	80.3199, 0.3427, 18.4017

# Details

The Yxy color  $64.5128, 0.3539, 0.3601$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $58.5278, 0.2757, 0.2958$ , and the grayscale version is  $64.9535, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.7205, 0.3250, 0.3493$ , and  $33.1672, 0.3645, 0.3682$  is the 20% darker color. If you saturate the color by 10%, you get  $58.4604, 0.3755, 0.3742$ , and if you desaturate by 10%, it is  $71.1129, 0.3347, 0.3463$ .

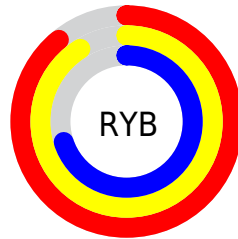
# Distribution



Red (91%)

Green (81%)

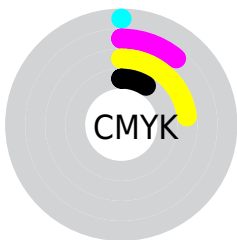
Blue (70%)



Red (89%)

Yellow (91%)

Blue (70%)

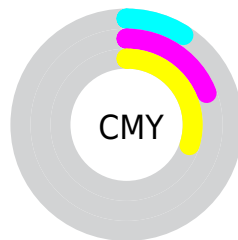


Cyan (0%)

Magenta (11%)

Yellow (23%)

Black (9%)



Cyan (9%)

Magenta (19%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5128, 0.3539, 0.3601 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 64.5128, 0.3539, 0.3601 by changing the saturation by 10% instead.




 64.5128, 0.3539,  
0.3601

 64.5128, 0.3539,  
0.3601


441.0391, 0.3344,  
0.3456

 47.0661, 0.3585,  
0.3634


 111.3491, 0.3470,  
0.3551

 33.0879, 0.3642,  
0.3675


141.5076, 0.3444,  
0.3531

 22.1938, 0.3715,  
0.3727


176.6721, 0.3421,  
0.3514

 13.9994, 0.3811,  
0.3794

217.2270, 0.3402,  
0.3500

 8.1202, 0.3945,  
0.3884

263.5568, 0.3384,  
0.3487

 4.1720, 0.4139,  
0.4010

316.0458, 0.3369,

 1.7702, 0.4516,

0.3475

375.0784, 0.3356,  
0.3465

0.4259

0.4685, 0.5460,  
0.4540

0.0000, 0.0000,  
0.0000

64.5128, 0.3539,  
0.3601

64.5128, 0.3539,  
0.3601

58.4604, 0.3755,  
0.3742

71.1129, 0.3347,  
0.3463

52.9311, 0.3993,  
0.3879

78.2669, 0.3178,  
0.3332

47.9109, 0.4251,  
0.4005

85.9923, 0.3030,  
0.3208

43.3818, 0.4519,  
0.4108

93.2400, 0.2988,  
0.3248

■ 39.3245, 0.4786,  
0.4176

■ 95.9063, 0.2988,  
0.3290

■ 35.7173, 0.5036,  
0.4196

■ 32.5360, 0.5251,  
0.4162

■ 30.6193, 0.5377,  
0.4113

# Harmonies

## Analogous

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



64.5128, 0.3570, 0.3441



64.5128, 0.3539, 0.3601



64.5128, 0.3395, 0.3685

# Triad

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



64.5128, 0.3539, 0.3601



64.5128, 0.2787, 0.3317



64.5128, 0.3059, 0.2954

# Complementary

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



64.5128, 0.3539, 0.3601



58.5278, 0.2757, 0.2958

# 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.



64.5128, 0.2856, 0.2915



64.5128, 0.3539, 0.3601



64.5128, 0.2704, 0.3114

# Square

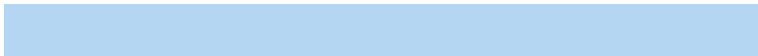
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.5128, 0.3539, 0.3601



64.5128, 0.2961, 0.3520



64.5128, 0.2729, 0.2970



64.5128, 0.3287, 0.3075



# Rectangle

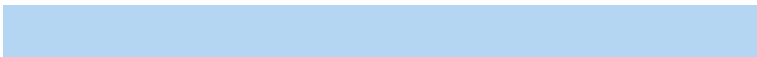
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.5128, 0.3539, 0.3601



64.5128, 0.3258, 0.3680



64.5128, 0.2729, 0.2970



64.5128, 0.2986, 0.2931

# Sweetspot

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



64.5157, 0.3539, 0.3601



93.5302, 0.3239, 0.3380



53.3797, 0.3381, 0.3001



19.9034, 0.3249, 0.3388



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.



64.5157, 0.3539, 0.3601



76.1778, 0.3641, 0.3669



77.9794, 0.3472, 0.3872



16.3434, 0.3280, 0.3412



17.7795, 0.5354, 0.4131



1.5887, 0.5150, 0.4293

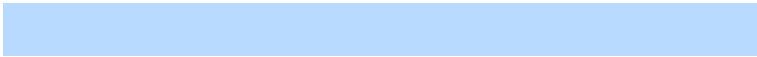


# Inverse Universe

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



58.5278, 0.2757, 0.2958



67.5315, 0.2676, 0.2878



47.2507, 0.2738, 0.2636



15.7485, 0.2981, 0.3165



10.2137, 0.1756, 0.1522



0.9939, 0.1827, 0.1779



# Previews

## White Background



This preview shows how the Yxy color 64.5128, 0.3539, 0.3601 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

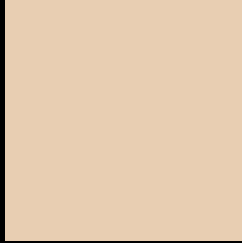
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.5128, 0.3539, 0.3601 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

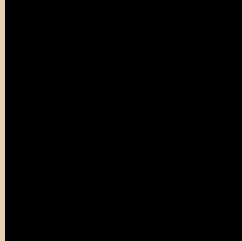
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

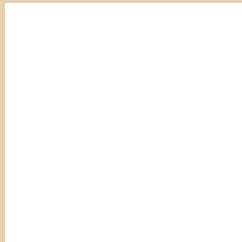
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.5128, 0.3539, 0.3601**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.5128, 0.3539, 0.3601.



This preview shows how white text looks on a background with the Yxy color 64.5128, 0.3539, 0.3601.

# 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

64.5128, 0.3539, 0.3601

### Protanopia

64.7606, 0.3427, 0.3632

### Deuteranopia

64.3730, 0.3623, 0.3540



## Tritanopia

64.7357, 0.3298, 0.3130

# Trichromacy



## Original Color

64.5128, 0.3539, 0.3601

## Protanomaly

64.8632, 0.3468, 0.3629

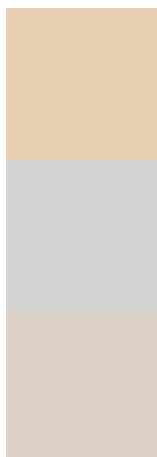
## Deuteranomaly

64.1437, 0.3587, 0.3553

## Tritanomaly

64.6383, 0.3385, 0.3302

# Monochromacy



## Original Color

64.5128, 0.3539, 0.3601

## Achromatopsia

65.1406, 0.3127, 0.3290

## Achromatomaly

64.7845, 0.3274, 0.3403

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.5128, 0.3539, 0.3601 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, 206, 178)` looks like.

```
.text, #text, p{  
    color:rgb(232, 206, 178)  
}
```

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, 206, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 206, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 64.5128, 0.3539, 0.3601 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, 206, 178) }
```

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

```
.border{ border-color:rgb(232, 206, 178) }
```

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

Here you see how a box with a 4 pixel rgb(232, 206, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 206, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 206, 178);  
box-shadow:4px 4px 4px 4px rgb(232, 206,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.5128, 0.3539, 0.3601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 206, 178) }
```

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

```
.background{ background-color: rgb(232,  
206, 178) }
```

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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