

# Converting Colors

$Yxy(64.1206, 0.3605, 0.3697)$

Have a look what the booklet for  
Yxy(64.1206, 0.3605, 0.3697)  
contains.

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# Color

**Yxy(64.1630, 0.3607, 0.3702)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8CEA9
RGB	232, 206, 169
RGB Percent	91%, 81%, 66%
CMY	0.0901, 0.1922, 0.3371
CMYK	0.00, 0.11, 0.27, 0.09
HSL	35°, 58%, 79%
HSV	35°, 27%, 91%
XYZ	62.5165, 64.1630, 46.6404
YIQ	209.5560, 27.3730, -5.9950

# Conversions

## Conversions Part 2

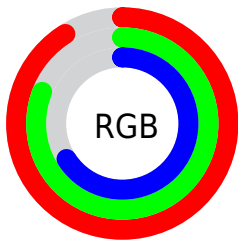
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	213, 232, 169
Decimal	15257257
CIE Lab	84.05, 3.58, 21.74
CIE LCh	84, 22.030, 80.647
Yxy	64.1630, 0.3607, 0.3702
Android (android.graphics.Color)	4293447337 (0xFFE8CEA9)
YUV	209.5560, -19.9941, 19.6834
Hunter-Lab	80.1018, -0.8656, 21.5489

# Details

The Yxy color **64.1630, 0.3607, 0.3702** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.3151, 0.2688, 0.2840**, and the grayscale version is **64.2663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **32.9709, 0.3726, 0.3798** is the 20% darker color. If you saturate the color by 10%, you get **58.8960, 0.3820, 0.3859**, and if you desaturate by 10%, it is **69.8718, 0.3413, 0.3545**.

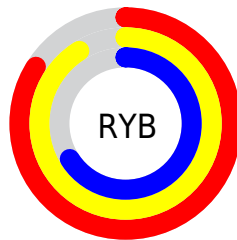
# Distribution



Red (91%)

Green (81%)

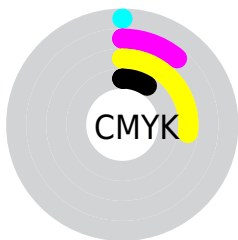
Blue (66%)



Red (84%)

Yellow (91%)

Blue (66%)

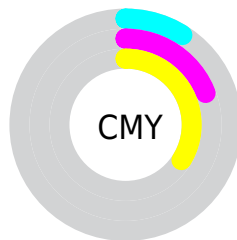


Cyan (0%)

Magenta (11%)

Yellow (27%)

Black (9%)



Cyan (9%)

Magenta (19%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1630, 0.3607, 0.3702 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 64.1630, 0.3607, 0.3702 by changing the saturation by 10% instead.





 64.1630, 0.3607,  
0.3702

 64.1630, 0.3607,  
0.3702


439.7780, 0.3380,  
0.3510

 46.7827, 0.3660,  
0.3746


 110.8456, 0.3527,  
0.3635

 32.8639, 0.3725,  
0.3800


140.9168, 0.3497,  
0.3609

 22.0222, 0.3809,  
0.3868


175.9870, 0.3470,  
0.3587

 13.8732, 0.3919,  
0.3957

216.4407, 0.3447,  
0.3567

 8.0325, 0.4068,  
0.4074

262.6623, 0.3427,  
0.3550

 4.1158, 0.4281,  
0.4235

315.0361, 0.3410,

 1.7385, 0.4839,

0.3535

0.4691

373.9465, 0.3394,  
0.3522

0.4484, 0.5339,  
0.4661

0.0000, 0.0000,  
0.0000

64.1630, 0.3607,  
0.3702

64.1630, 0.3607,  
0.3702

58.8960, 0.3820,  
0.3859

69.8718, 0.3413,  
0.3545

54.0490, 0.4048,  
0.4010

76.0259, 0.3239,  
0.3394

49.6107, 0.4287,  
0.4144

82.6403, 0.3085,  
0.3250

45.5660, 0.4527,  
0.4250

89.2779, 0.2987,  
0.3183

41.8983, 0.4755,  
0.4315

95.2059, 0.2988,  
0.3279

38.5889, 0.4958,  
0.4331

95.8978, 0.2988,  
0.3290

35.6148, 0.5127,  
0.4292

34.8185, 0.5172,  
0.4276

# Harmonies

## Analogous

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



64.1630, 0.3679, 0.3518



64.1630, 0.3607, 0.3702



64.1630, 0.3405, 0.3783

# Triad

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



64.1630, 0.3607, 0.3702



64.1630, 0.2679, 0.3265



64.1630, 0.3101, 0.2904

# Complementary

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



64.1630, 0.3607, 0.3702



53.3151, 0.2688, 0.2840

# 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.



64.1630, 0.2840, 0.2832



64.1630, 0.3607, 0.3702



64.1630, 0.2605, 0.3025

# Square

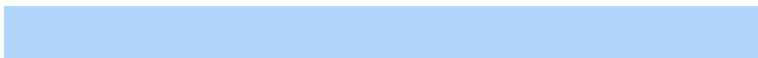
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.1630, 0.3607, 0.3702



64.1630, 0.2869, 0.3526



64.1630, 0.2663, 0.2872



64.1630, 0.3379, 0.3068



# Rectangle

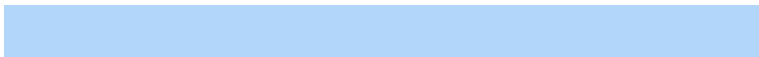
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.1630, 0.3607, 0.3702



64.1630, 0.3227, 0.3758



64.1630, 0.2663, 0.2872



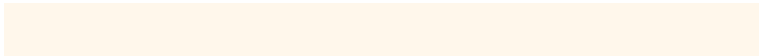
64.1630, 0.3008, 0.2869

# Sweetspot

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



64.1659, 0.3607, 0.3702



93.4965, 0.3254, 0.3407



49.4979, 0.3472, 0.2997



19.7592, 0.3280, 0.3429



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.



64.1659, 0.3607, 0.3702



75.5092, 0.3733, 0.3797



76.8781, 0.3498, 0.3976



15.7669, 0.3278, 0.3428



19.5817, 0.5151, 0.4292



1.6291, 0.4974, 0.4433

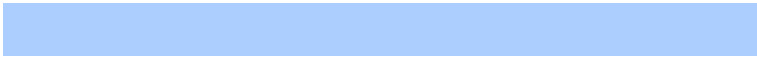


# Inverse Universe

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



53.3151, 0.2688, 0.2840



59.8141, 0.2584, 0.2722



43.2453, 0.2694, 0.2517



14.8601, 0.2981, 0.3148



8.0953, 0.1696, 0.1306



0.7777, 0.1776, 0.1593



# Previews

## White Background



This preview shows how the Yxy color 64.1630, 0.3607, 0.3702 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

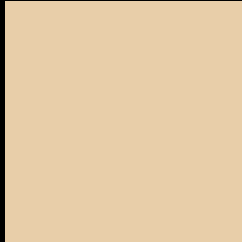
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.1630, 0.3607, 0.3702 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

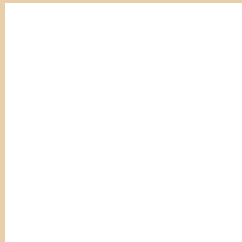
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.1630, 0.3607, 0.3702**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.1630, 0.3607, 0.3702.



This preview shows how white text looks on a background with the Yxy color 64.1630, 0.3607, 0.3702.

# 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

64.1630, 0.3607, 0.3702

### Protanopia

64.0708, 0.3503, 0.3724

### Deuteranopia

64.3764, 0.3710, 0.3636



## Tritanopia

64.2194, 0.3307, 0.3130

# Trichromacy



## Original Color

64.1630, 0.3607, 0.3702

## Protanomaly

64.1828, 0.3545, 0.3720

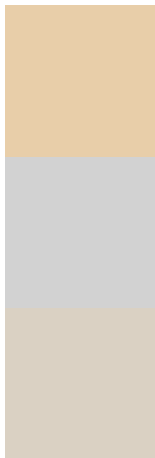
## Deuteranomaly

64.1394, 0.3674, 0.3651

## Tritanomaly

63.9804, 0.3418, 0.3334

# Monochromacy



## Original Color

64.1630, 0.3607, 0.3702

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

64.4465, 0.3295, 0.3449

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.1630, 0.3607, 0.3702 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(232, 206, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 206, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 64.1630, 0.3607, 0.3702 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, 169) }
```

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

```
.border{ border-color:rgb(232, 206, 169) }
```

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, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 206, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 206, 169);  
box-shadow:4px 4px 4px 4px rgb(232, 206,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.1630, 0.3607, 0.3702 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, 169) }
```

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

```
.background{ background-color: rgb(232,  
206, 169) }
```

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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