

# Converting Colors

$Yxy(65.3711, 0.3473, 0.3599)$

Have a look what the booklet for  
Yxy(65.3711, 0.3473, 0.3599)  
contains.

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# Color

**Yxy(65.4311, 0.3477, 0.3603)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4D1B5
RGB	228, 209, 181
RGB Percent	89%, 82%, 71%
CMY	0.1058, 0.1804, 0.2901
CMYK	0.00, 0.08, 0.21, 0.11
HSL	36°, 47%, 80%
HSV	36°, 21%, 89%
XYZ	63.1429, 65.4311, 53.0277
YIQ	211.4890, 20.3120, -4.6800

# Conversions

## Conversions Part 2

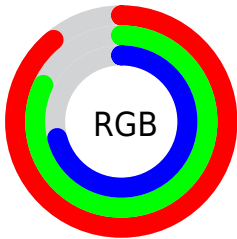
Format	Color
RYB	213, 228, 181
Decimal	14995893
CIELab	84.71, 2.21, 16.28
CIELCh	85, 16.425, 82.284
Yxy	65.4311, 0.3477, 0.3603
Android (android.graphics.Color)	4293185973 (0xFFE4D1B5)
YUV	211.4890, -15.0311, 14.4801
Hunter-Lab	80.8895, -2.2182, 17.7546

# Details

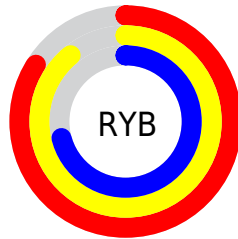
The Yxy color **65.4311, 0.3477, 0.3603** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **56.7599, 0.2798, 0.2956**, and the grayscale version is **65.5772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **33.7719, 0.3561, 0.3686** is the 20% darker color. If you saturate the color by 10%, you get **60.1741, 0.3676, 0.3763**, and if you desaturate by 10%, it is **71.1097, 0.3297, 0.3447**.

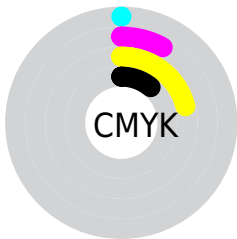
# Distribution



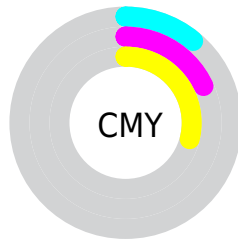
- Red (89%)
- Green (82%)
- Blue (71%)



- Red (84%)
- Yellow (89%)
- Blue (71%)



- Cyan (0%)
- Magenta (8%)
- Yellow (21%)
- Black (11%)




- Cyan (11%)
- Magenta (18%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.4311, 0.3477, 0.3603 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 65.4311, 0.3477, 0.3603 by changing the saturation by 10% instead.




 65.4311, 0.3477,  
0.3603

 65.4311, 0.3477,  
0.3603


444.3395, 0.3312,  
0.3456

 47.8107, 0.3515,  
0.3637


 112.6694, 0.3419,  
0.3552

 33.6770, 0.3563,  
0.3679


143.0562, 0.3397,  
0.3532

 22.6456, 0.3625,  
0.3732


178.4671, 0.3378,  
0.3515

 14.3320, 0.3705,  
0.3802

219.2868, 0.3361,  
0.3500

 8.3520, 0.3817,  
0.3896

265.8994, 0.3346,  
0.3487

 4.3210, 0.3979,  
0.4032

318.6895, 0.3333,

 1.8547, 0.4266,

0.3476

0.4272

378.0414, 0.3322,  
0.3466

■ 0.5209, 0.5131,  
0.4869

■ 0.0000, 0.0000,  
0.0000

■ 65.4311, 0.3477,  
0.3603

■ 65.4311, 0.3477,  
0.3603

■ 60.1741, 0.3676,  
0.3763

■ 71.1097, 0.3297,  
0.3447

■ 55.3179, 0.3893,  
0.3920

■ 77.2122, 0.3136,  
0.3299

■ 50.8530, 0.4124,  
0.4068

■ 83.7523, 0.2994,  
0.3160

■ 46.7658, 0.4361,  
0.4195

■ 89.5803, 0.2963,  
0.3198

■ 43.0417, 0.4594,  
0.4291

■ 95.2379, 0.2964,  
0.3290

■ 39.6646, 0.4811,  
0.4342

■ 36.6157, 0.4999,  
0.4340

■ 34.0265, 0.5147,  
0.4296

# Harmonies

## Analogous

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



65.4311, 0.3534, 0.3472



65.4311, 0.3477, 0.3603



65.4311, 0.3325, 0.3653

# Triad

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



65.4311, 0.3477, 0.3603



65.4311, 0.2787, 0.3263



65.4311, 0.3121, 0.3005

# Complementary

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



65.4311, 0.3477, 0.3603



56.7599, 0.2798, 0.2956

# 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.



65.4311, 0.2924, 0.2948



65.4311, 0.3477, 0.3603



65.4311, 0.2736, 0.3088

# Square

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



65.4311, 0.3477, 0.3603



65.4311, 0.2927, 0.3454



65.4311, 0.2785, 0.2976



65.4311, 0.3325, 0.3133



# Rectangle

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



65.4311, 0.3477, 0.3603



65.4311, 0.3192, 0.3629



65.4311, 0.2785, 0.2976



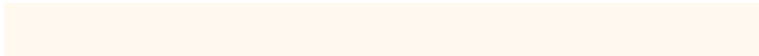
65.4311, 0.3052, 0.2977

# Sweetspot

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



65.4340, 0.3477, 0.3603



95.1652, 0.3221, 0.3378



53.7525, 0.3372, 0.3071



20.2592, 0.3232, 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.



65.4340, 0.3477, 0.3603



81.1781, 0.3565, 0.3675



74.7014, 0.3408, 0.3808



15.7872, 0.3278, 0.3430



19.8820, 0.5128, 0.4310



1.6504, 0.4955, 0.4448



# Inverse Universe

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



56.7599, 0.2798, 0.2956



67.9839, 0.2721, 0.2872



48.9654, 0.2812, 0.2725



14.8402, 0.2981, 0.3146



7.9028, 0.1689, 0.1281

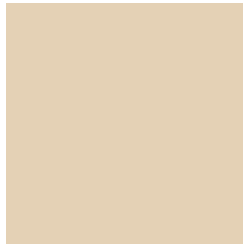


0.7624, 0.1770, 0.1570



# Previews

## White Background



This preview shows how the Yxy color 65.4311, 0.3477, 0.3603 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

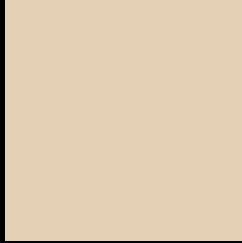
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.4311, 0.3477, 0.3603 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

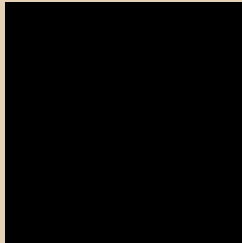
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.4311, 0.3477, 0.3603**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.4311, 0.3477, 0.3603.



This preview shows how white text looks on a background with the Yxy color 65.4311, 0.3477, 0.3603.

# 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

65.4311, 0.3477, 0.3603

### Protanopia

65.4955, 0.3418, 0.3619

### Deuteranopia

65.4404, 0.3594, 0.3528



## Tritanopia

65.6238, 0.3242, 0.3129

# Trichromacy



**Original Color**

65.4311, 0.3477, 0.3603

**Protanomaly**

65.3179, 0.3436, 0.3606

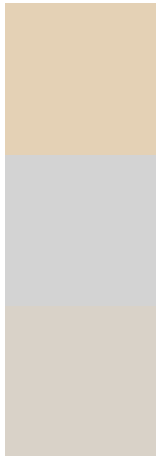
**Deuteranomaly**

65.5245, 0.3548, 0.3553

**Tritanomaly**

65.5393, 0.3327, 0.3302

# Monochromacy



**Original Color**

65.4311, 0.3477, 0.3603

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

65.0150, 0.3250, 0.3404

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.4311, 0.3477, 0.3603 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(228, 209, 181)` looks like.

```
.text, #text, p{  
    color:rgb(228, 209, 181)  
}
```

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(228, 209, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 209, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 65.4311, 0.3477, 0.3603 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(228, 209, 181) }
```

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

```
.border{ border-color:rgb(228, 209, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 209, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 209, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 209, 181); box-shadow:4px 4px 4px 4px rgb(228, 209, 181) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.4311, 0.3477, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 209, 181) }
```

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

```
.background{ background-color: rgb(228,  
209, 181) }
```

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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