

# Converting Colors

Yxy(65.4069, 0.3613, 0.3650)

Have a look what the booklet for  
Yxy(65.4069, 0.3613, 0.3650)  
contains.

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# Color

**Yxy(65.2031, 0.3610, 0.3641)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDCEAE
RGB	237, 206, 174
RGB Percent	93%, 81%, 68%
CMY	0.0704, 0.1922, 0.3176
CMYK	0.00, 0.13, 0.27, 0.07
HSL	30°, 64%, 81%
HSV	30°, 27%, 93%
XYZ	64.6480, 65.2031, 49.2291
YIQ	211.6210, 28.7480, -3.3800

# Conversions

## Conversions Part 2

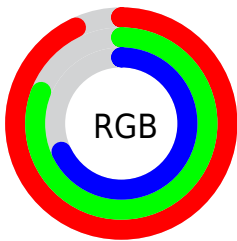
Format	Color
RYB	235, 237, 174
Decimal	15584942
CIELab	84.59, 6.15, 19.92
CIELCh	85, 20.852, 72.849
Yxy	65.2031, 0.3610, 0.3641
Android (android.graphics.Color)	4293775022 (0xFFEDCEAE)
YUV	211.6210, -18.5472, 22.2574
Hunter-Lab	80.7484, 1.5990, 20.3771

# Details

The Yxy color **65.2031, 0.3610, 0.3641** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.8126, 0.2702, 0.2911**, and the grayscale version is **65.6896, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4932, 0.3274, 0.3532**, and **33.5402, 0.3729, 0.3733** is the 20% darker color. If you saturate the color by 10%, you get **58.9459, 0.3836, 0.3779**, and if you desaturate by 10%, it is **72.0472, 0.3409, 0.3504**.

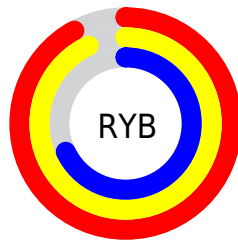
# Distribution



Red (93%)

Green (81%)

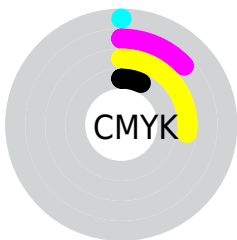
Blue (68%)



Red (92%)

Yellow (93%)

Blue (68%)

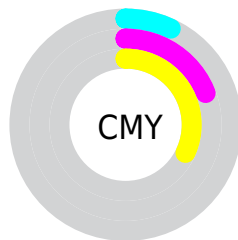


Cyan (0%)

Magenta (13%)

Yellow (27%)

Black (7%)



Cyan (7%)

Magenta (19%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.2031, 0.3610, 0.3641 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 65.2031, 0.3610, 0.3641 by changing the saturation by 10% instead.




 65.2031, 0.3610,  
0.3641

 65.2031, 0.3610,  
0.3641


443.5215, 0.3381,  
0.3479

 47.6258, 0.3663,  
0.3678


 112.3418, 0.3530,  
0.3585

 33.5306, 0.3730,  
0.3723


142.6720, 0.3499,  
0.3563

 22.5333, 0.3814,  
0.3779


178.0219, 0.3472,  
0.3544

 14.2493, 0.3926,  
0.3852

218.7760, 0.3449,  
0.3528

 8.2942, 0.4078,  
0.3947

265.3185, 0.3429,  
0.3513

 4.2838, 0.4298,  
0.4077

318.0341, 0.3411,

 1.8335, 0.4761,

0.3501

0.4369

377.3069, 0.3396,  
0.3489

0.5080, 0.5548,  
0.4452

0.0000, 0.0000,  
0.0000

65.2031, 0.3610,  
0.3641

65.2031, 0.3610,  
0.3641

58.9459, 0.3836,  
0.3779

72.0472, 0.3409,  
0.3504

53.2492, 0.4084,  
0.3911

79.4861, 0.3232,  
0.3373

48.0972, 0.4350,  
0.4029

87.5385, 0.3077,  
0.3249

43.4699, 0.4625,  
0.4119

95.2965, 0.3018,  
0.3267

■ 39.3455, 0.4893,  
0.4170

■ 96.7520, 0.3018,  
0.3290

■ 35.6997, 0.5138,  
0.4170

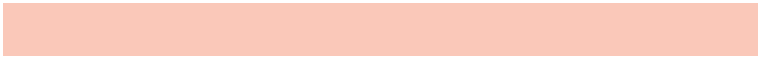
■ 32.5044, 0.5344,  
0.4114

■ 31.5060, 0.5408,  
0.4088

# Harmonies

## Analogous

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



65.2031, 0.3640, 0.3451



65.2031, 0.3610, 0.3641



65.2031, 0.3448, 0.3746

# Triad

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



65.2031, 0.3610, 0.3641



65.2031, 0.2742, 0.3332



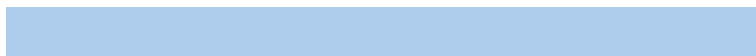
65.2031, 0.3034, 0.2899

# Complementary

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



65.2031, 0.3610, 0.3641



58.8126, 0.2702, 0.2911

# 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.



65.2031, 0.2804, 0.2857



65.2031, 0.3610, 0.3641



65.2031, 0.2641, 0.3094

# Square

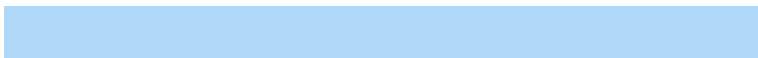
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.2031, 0.3610, 0.3641



65.2031, 0.2945, 0.3568



65.2031, 0.2663, 0.2924



65.2031, 0.3299, 0.3034



# Rectangle

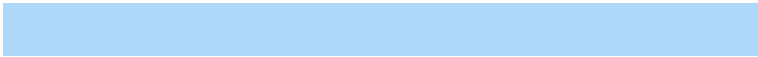
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.2031, 0.3610, 0.3641



65.2031, 0.3290, 0.3747



65.2031, 0.2663, 0.2924



65.2031, 0.2951, 0.2874

# Sweetspot

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



65.2061, 0.3610, 0.3641



92.5091, 0.3256, 0.3391



52.7231, 0.3418, 0.2947



19.5104, 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.



65.2061, 0.3610, 0.3641



72.7898, 0.3732, 0.3718



81.6619, 0.3529, 0.3954



16.3173, 0.3280, 0.3410



17.4578, 0.5384, 0.4107



1.5634, 0.5174, 0.4273

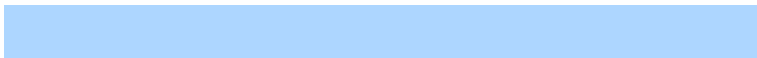


# Inverse Universe

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



58.8126, 0.2702, 0.2911



64.0427, 0.2611, 0.2819



45.3951, 0.2665, 0.2526



15.7746, 0.2981, 0.3167



10.5167, 0.1766, 0.1556

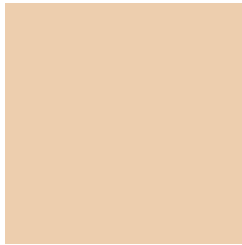


1.0180, 0.1836, 0.1809



# Previews

## White Background



This preview shows how the Yxy color 65.2031, 0.3610, 0.3641 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

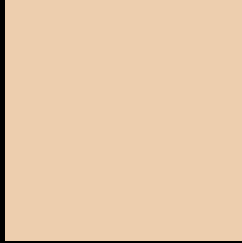
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.2031, 0.3610, 0.3641 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

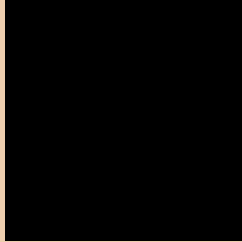
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

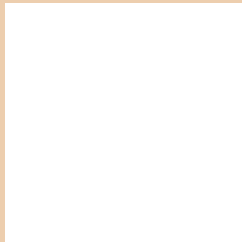
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.2031, 0.3610, 0.3641**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.2031, 0.3610, 0.3641.



This preview shows how white text looks on a background with the Yxy color 65.2031, 0.3610, 0.3641.

# 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

65.2031, 0.3610, 0.3641

### Protanopia

65.4111, 0.3470, 0.3687

### Deuteranopia

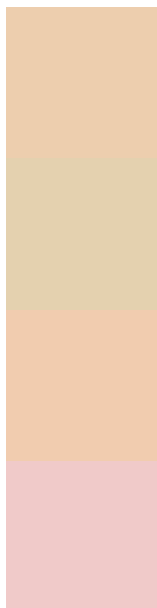
65.0401, 0.3668, 0.3592



## Tritanopia

65.1437, 0.3338, 0.3122

# Trichromacy



## Original Color

65.2031, 0.3610, 0.3641

## Protanomaly

65.1901, 0.3522, 0.3671

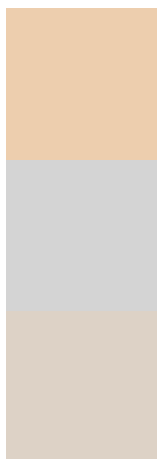
## Deuteranomaly

64.9816, 0.3640, 0.3605

## Tritanomaly

64.9834, 0.3435, 0.3302

# Monochromacy



## Original Color

65.2031, 0.3610, 0.3641

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

65.5426, 0.3295, 0.3425

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.2031, 0.3610, 0.3641 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(237, 206, 174)` looks like.

```
.text, #text, p{  
    color:rgb(237, 206, 174)  
}
```

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(237, 206, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 206, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 65.2031, 0.3610, 0.3641 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(237, 206, 174) }
```

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

```
.border{ border-color:rgb(237, 206, 174) }
```

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

Here you see how a box with a 4 pixel rgb(237, 206, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 206, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 206, 174);  
box-shadow:4px 4px 4px 4px rgb(237, 206,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.2031, 0.3610, 0.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 206, 174) }
```

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

```
.background{ background-color: rgb(237,  
206, 174) }
```

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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