

# Converting Colors

$Y_{xy}(65.1952, 0.3458, 0.3640)$

Have a look what the booklet for  
Yxy(65.1952, 0.3458, 0.3640)  
contains.

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# Color

**Yxy(65.1952, 0.3458, 0.3640)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0D2B3
RGB	224, 210, 179
RGB Percent	88%, 82%, 70%
CMY	0.1214, 0.1765, 0.2980
CMYK	0.00, 0.06, 0.20, 0.12
HSL	41°, 42%, 79%
HSV	41°, 20%, 88%
XYZ	61.9354, 65.1952, 51.9771
YIQ	210.6520, 18.2950, -6.6730

# Conversions

## Conversions Part 2

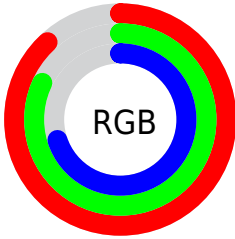
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	199, 224, 179
Decimal	14734003
CIE Lab	84.58, -0.07, 17.11
CIE LCh	85, 17.113, 90.239
Yxy	65.1952, 0.3458, 0.3640
Android (android.graphics.Color)	4292924083 (0xFFE0D2B3)
YUV	210.6520, -15.6044, 11.7062
Hunter-Lab	80.7435, -4.3803, 18.3537

# Details

The Yxy color **65.1952, 0.3458, 0.3640** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.1434, 0.2804, 0.2914**, and the grayscale version is **65.0015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **33.6081, 0.3535, 0.3736** is the 20% darker color. If you saturate the color by 10%, you get **60.9857, 0.3645, 0.3822**, and if you desaturate by 10%, it is **69.7088, 0.3286, 0.3462**.

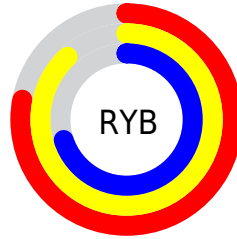
# Distribution



Red (88%)

Green (82%)

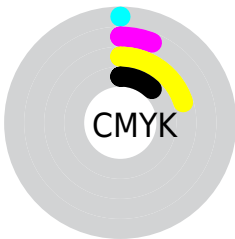
Blue (70%)



Red (78%)

Yellow (88%)

Blue (70%)

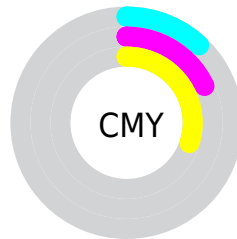


Cyan (0%)

Magenta (6%)

Yellow (20%)

Black (12%)



Cyan (12%)

Magenta (18%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1952, 0.3458, 0.3640 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 65.1952, 0.3458, 0.3640 by changing the saturation by 10% instead.





 65.1952, 0.3458,  
0.3640

 65.1952, 0.3458,  
0.3640


443.4931, 0.3302,  
0.3475

 47.6194, 0.3494,  
0.3678


 112.3304, 0.3403,  
0.3582

 33.5256, 0.3539,  
0.3726


142.6587, 0.3382,  
0.3560

 22.5294, 0.3597,  
0.3787


178.0065, 0.3364,  
0.3541

 14.2464, 0.3672,  
0.3867

218.7583, 0.3349,  
0.3524

 8.2922, 0.3776,  
0.3976

265.2984, 0.3335,  
0.3510

 4.2825, 0.3925,  
0.4134

318.0113, 0.3323,

 1.8328, 0.4208,

0.3497

0.4434

377.2814, 0.3312,  
0.3485

■ 0.5075, 0.4864,  
0.5136

■ 0.0000, 0.0000,  
0.0000

■ 65.1952, 0.3458,  
0.3640

■ 65.1952, 0.3458,  
0.3640

■ 60.9857, 0.3645,  
0.3822

■ 69.7088, 0.3286,  
0.3462

■ 57.0625, 0.3843,  
0.4001

■ 74.5262, 0.3129,  
0.3292

■ 53.4188, 0.4048,  
0.4169

■ 79.6584, 0.2987,  
0.3131

■ 50.0444, 0.4252,  
0.4316

■ 84.2032, 0.2937,  
0.3116

■ 46.9277, 0.4447,  
0.4431

■ 88.3544, 0.2938,  
0.3188

■ 44.0560, 0.4622,  
0.4503

■ 92.6656, 0.2940,  
0.3259

■ 41.4145, 0.4769,  
0.4525

■ 94.5945, 0.2941,  
0.3289

■ 39.0009, 0.4886,  
0.4502

# Harmonies

## Analogous

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



65.1952, 0.3548, 0.3521



65.1952, 0.3458, 0.3640



65.1952, 0.3280, 0.3665

# Triad

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



65.1952, 0.3458, 0.3640



65.1952, 0.2749, 0.3209



65.1952, 0.3179, 0.3023

# Complementary

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



65.1952, 0.3458, 0.3640



53.1434, 0.2804, 0.2914

# 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.



65.1952, 0.2966, 0.2941



65.1952, 0.3458, 0.3640



65.1952, 0.2723, 0.3040

# Square

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



65.1952, 0.3458, 0.3640



65.1952, 0.2872, 0.3410



65.1952, 0.2801, 0.2946



65.1952, 0.3384, 0.3170



# Rectangle

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



65.1952, 0.3458, 0.3640



65.1952, 0.3137, 0.3621



65.1952, 0.2801, 0.2946



65.1952, 0.3105, 0.2987

# Sweetspot

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



65.1981, 0.3458, 0.3640



96.0439, 0.3220, 0.3392



51.9653, 0.3402, 0.3127



20.4671, 0.3231, 0.3403



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

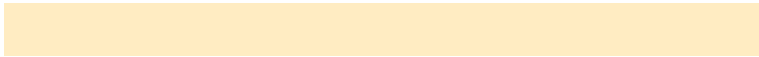


# Same Dimension

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



65.1981, 0.3458, 0.3640



85.0769, 0.3532, 0.3714



71.1579, 0.3367, 0.3799



15.2699, 0.3275, 0.3451



22.9052, 0.4873, 0.4513



1.7453, 0.4743, 0.4616



# Inverse Universe

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



53.1434, 0.2804, 0.2914



66.2032, 0.2733, 0.2826



48.2319, 0.2856, 0.2747



13.9379, 0.2981, 0.3124



5.8578, 0.1620, 0.1032

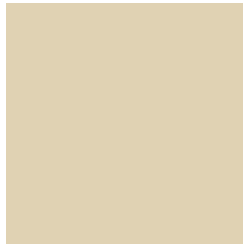


0.5623, 0.1706, 0.1341



# Previews

## White Background



This preview shows how the Yxy color 65.1952, 0.3458, 0.3640 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 65.1952, 0.3458, 0.3640 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

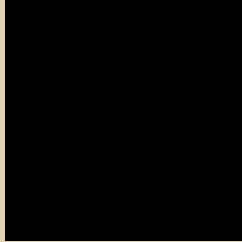
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

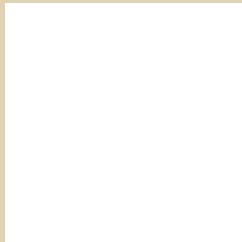
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.1952, 0.3458, 0.3640**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.1952, 0.3458, 0.3640.

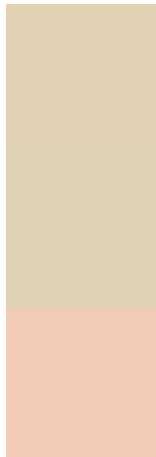


This preview shows how white text looks on a background with the Yxy color 65.1952, 0.3458, 0.3640.

# 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

65.1952, 0.3458, 0.3640

### Protanopia

65.3728, 0.3440, 0.3653

### Deuteranopia

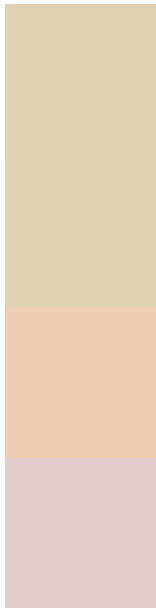
64.8844, 0.3612, 0.3540



## Tritanopia

65.0111, 0.3204, 0.3117

# Trichromacy



**Original Color**

65.1952, 0.3458, 0.3640

**Protanomaly**

65.5312, 0.3448, 0.3652

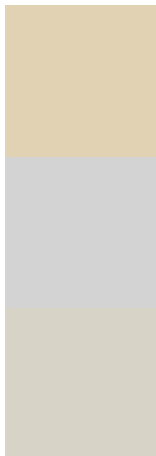
**Deuteranomaly**

65.1001, 0.3548, 0.3577

**Tritanomaly**

64.8813, 0.3296, 0.3302

# Monochromacy



**Original Color**

65.1952, 0.3458, 0.3640

**Achromatopsia**

65.1406, 0.3127, 0.3290

**Achromatomaly**

65.3110, 0.3249, 0.3426

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.1952, 0.3458, 0.3640 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(224, 210, 179)` looks like.

```
.text, #text, p{  
    color:rgb(224, 210, 179)  
}
```

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(224, 210, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 210, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 65.1952, 0.3458, 0.3640 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(224, 210, 179) }
```

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

```
.border{ border-color:rgb(224, 210, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 210, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 210, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 210, 179);  
box-shadow:4px 4px 4px 4px rgb(224, 210,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.1952, 0.3458, 0.3640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 210, 179) }
```

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

```
.background{ background-color: rgb(224,  
210, 179) }
```

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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