

# Converting Colors

$Yxy(65.0649, 0.3334, 0.3335)$

Have a look what the booklet for  
Yxy(65.0649, 0.3334, 0.3335)  
contains.

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# Color

**Yxy(65.0649, 0.3334, 0.3335)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5CECA
RGB	229, 206, 202
RGB Percent	90%, 81%, 79%
CMY	0.1019, 0.1921, 0.2080
CMYK	0.00, 0.10, 0.12, 0.10
HSL	9°, 34%, 85%
HSV	9°, 12%, 90%
XYZ	65.0454, 65.0649, 64.9869
YIQ	212.4210, 14.9920, 3.6320

# Conversions

## Conversions Part 2

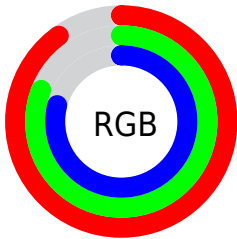
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 207, 202
Decimal	15060682
CIE Lab	84.52, 7.35, 4.91
CIE LCh	85, 8.846, 33.751
Yxy	65.0649, 0.3334, 0.3335
Android (android.graphics.Color)	4293250762 (0xFFE5CECA)
YUV	212.4210, -5.1376, 14.5398
Hunter-Lab	80.6628, 2.7800, 8.6963

# Details

The Yxy color **65.0649, 0.3334, 0.3335** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.0496, 0.2946, 0.3245**, and the grayscale version is **66.1619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **33.4788, 0.3381, 0.3348** is the 20% darker color. If you saturate the color by 10%, you get **55.2550, 0.3552, 0.3376**, and if you desaturate by 10%, it is **76.2045, 0.3156, 0.3297**.

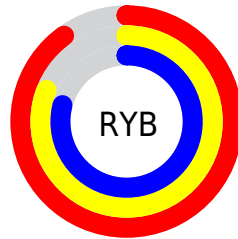
# Distribution



Red (90%)

Green (81%)

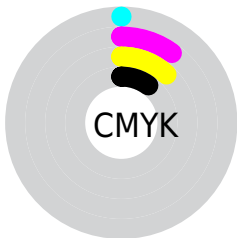
Blue (79%)



Red (90%)

Yellow (81%)

Blue (79%)

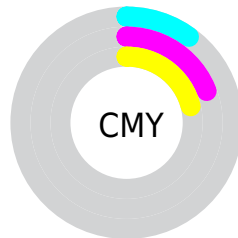


Cyan (0%)

Magenta (10%)

Yellow (12%)

Black (10%)



Cyan (10%)

Magenta (19%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.0649, 0.3334, 0.3335 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 65.0649, 0.3334, 0.3335 by changing the saturation by 10% instead.



 65.0649, 0.3334,  
0.3335

 65.0649, 0.3334,  
0.3335

443.0252, 0.3236,  
0.3315

 47.5137, 0.3357,  
0.3340


112.1432, 0.3299,  
0.3328

 33.4419, 0.3386,  
0.3345


142.4390, 0.3286,  
0.3325

 22.4652, 0.3423,  
0.3352


177.7519, 0.3275,  
0.3323

 14.1991, 0.3472,  
0.3361

218.4661, 0.3265,  
0.3321

 8.2593, 0.3542,  
0.3373

264.9662, 0.3256,  
0.3319

 4.2613, 0.3646,  
0.3389

317.6365, 0.3249,

 1.8208, 0.3819,

0.3317

0.3413

376.8613, 0.3242,  
0.3316

0.5001, 0.4830,  
0.3688

0.0000, 0.0000,  
0.0000

65.0649, 0.3334,  
0.3335

65.0649, 0.3334,  
0.3335

55.2550, 0.3552,  
0.3376

76.2045, 0.3156,  
0.3297

46.7167, 0.3816,  
0.3418

88.7120, 0.3010,  
0.3261

39.4004, 0.4134,  
0.3459

95.4006, 0.2970,  
0.3290

33.2499, 0.4507,  
0.3495

■ 28.2045, 0.4925,  
0.3518

■ 24.1981, 0.5362,  
0.3522

■ 21.1573, 0.5772,  
0.3500

■ 18.9990, 0.6096,  
0.3449

■ 17.8145, 0.6276,  
0.3399

# Harmonies

## Analogous

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



65.0649, 0.3270, 0.3239



65.0649, 0.3334, 0.3335



65.0649, 0.3341, 0.3422

# Triad

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



65.0649, 0.3334, 0.3335



65.0649, 0.3084, 0.3429



65.0649, 0.2965, 0.3107

# Complementary

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



65.0649, 0.3334, 0.3335



72.0496, 0.2946, 0.3245

# 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.



65.0649, 0.2918, 0.3154



65.0649, 0.3334, 0.3335



65.0649, 0.2985, 0.3341

# Square

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



65.0649, 0.3334, 0.3335



65.0649, 0.3195, 0.3479



65.0649, 0.2925, 0.3239



65.0649, 0.3057, 0.3109



# Rectangle

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



65.0649, 0.3334, 0.3335



65.0649, 0.3313, 0.3462



65.0649, 0.2925, 0.3239



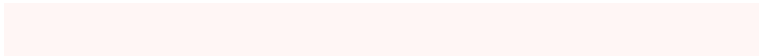
65.0649, 0.2944, 0.3118

# Sweetspot

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



65.0678, 0.3334, 0.3335



93.9479, 0.3192, 0.3305



64.3452, 0.3167, 0.3038



19.8719, 0.3205, 0.3308



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

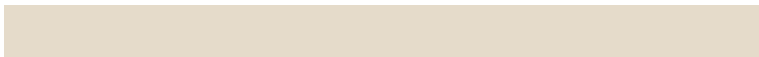
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.0678, 0.3334, 0.3335



80.0392, 0.3380, 0.3344



71.6376, 0.3316, 0.3477



14.7133, 0.3289, 0.3326



10.2914, 0.6256, 0.3414



0.8690, 0.6012, 0.3608

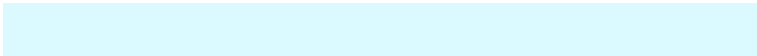


# Inverse Universe

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



72.0496, 0.2946, 0.3245



90.4949, 0.2911, 0.3235



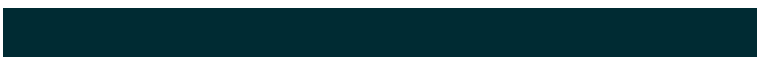
65.2398, 0.2943, 0.3096



15.9506, 0.2981, 0.3254



25.6475, 0.2114, 0.2810



1.9953, 0.2135, 0.2887



# Previews

## White Background



This preview shows how the Yxy color 65.0649, 0.3334, 0.3335 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

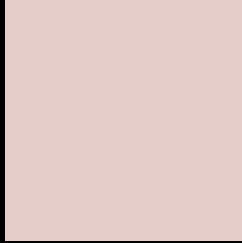
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.0649, 0.3334, 0.3335 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

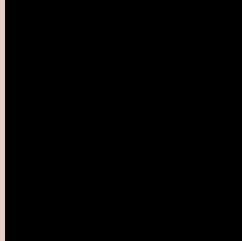
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

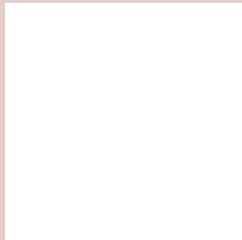
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.0649, 0.3334, 0.3335**

## Background



This preview shows how black text looks on a background with the Yxy color 65.0649, 0.3334, 0.3335.



This preview shows how white text looks on a background with the Yxy color 65.0649, 0.3334, 0.3335.

# 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

65.0649, 0.3334, 0.3335

### Protanopia

65.0517, 0.3214, 0.3358

### Deuteranopia

65.1122, 0.3384, 0.3312



## Tritanopia

64.8153, 0.3227, 0.3118

# Trichromacy



## Original Color

65.0649, 0.3334, 0.3335

## Protanomaly

65.2849, 0.3261, 0.3358

## Deuteranomaly

65.2505, 0.3367, 0.3323

## Tritanomaly

64.8128, 0.3263, 0.3192

# Monochromacy



## Original Color

65.0649, 0.3334, 0.3335

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

65.5527, 0.3201, 0.3313

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.0649, 0.3334, 0.3335 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(229, 206, 202)` looks like.

```
.text, #text, p{  
    color:rgb(229, 206, 202)  
}
```

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(229, 206, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 206, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 65.0649, 0.3334, 0.3335 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(229, 206, 202) }
```

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

```
.border{ border-color:rgb(229, 206, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 206, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 206, 202); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 206, 202); box-shadow:4px 4px 4px 4px rgb(229, 206, 202) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.0649, 0.3334, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 206, 202) }
```

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

```
.background{ background-color: rgb(229,  
206, 202) }
```

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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