

# Converting Colors

XYZ(65.3538, 63.5866, 74.7342)

Have a look what the booklet for  
XYZ(65.3538, 63.5866, 74.7342)  
contains.

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# Color

**XYZ(65.3235, 63.5817,  
74.4752)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3CAD9
RGB	227, 202, 217
RGB Percent	89%, 79%, 85%
CMY	0.1098, 0.2078, 0.1490
CMYK	0.00, 0.11, 0.04, 0.11
HSL	324°, 31%, 84%
HSV	324°, 11%, 89%
XYZ	65.3235, 63.5817, 74.4752
YIQ	211.1850, 10.0850, 9.9650

# Conversions

## Conversions Part 2

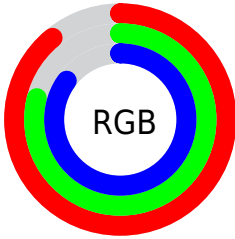
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	227, 202, 217
Decimal	14928601
CIE Lab	83.75, 11.30, -4.24
CIE LCh	84, 12.068, 339.439
Yxy	63.5817, 0.3212, 0.3126
Android (android.graphics.Color)	4293118681 (0xFFE3CAD9)
YUV	211.1850, 2.8668, 13.8698
Hunter-Lab	79.7381, 6.6900, 0.4400

# Details

The XYZ color **65.3235, 63.5817, 74.4752** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.7124, 72.2500, 72.8785**, and the grayscale version is **62.0176, 65.2474, 71.0544**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.1247, 32.5591, 38.6684** is the 20% darker color. If you saturate the color by 10%, you get **59.2356, 53.2439, 66.7778**, and if you desaturate by 10%, it is **72.2635, 75.5179, 82.7789**.

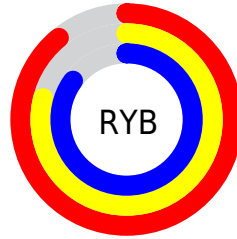
# Distribution



Red (89%)

Green (79%)

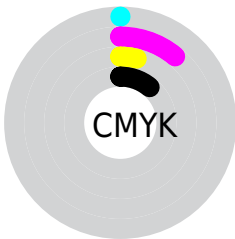
Blue (85%)



Red (89%)

Yellow (79%)

Blue (85%)

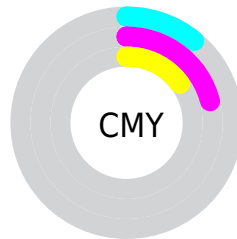


Cyan (0%)

Magenta (11%)

Yellow (4%)

Black (11%)



Cyan (11%)

Magenta (21%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3235, 63.5817, 74.4752 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 XYZ color 65.3235, 63.5817, 74.4752 by changing the saturation by 10% instead.



65.3235, 63.5817,  
74.4752

65.3235, 63.5817,  
74.4752

433.4804,  
437.6775, 495.3190

47.9891, 46.3120,  
54.6839

111.5779,  
110.0083, 127.3095

34.0295, 32.4921,  
38.7518

141.2287,  
139.9339, 161.1895

23.0792, 21.7376,  
26.2604

175.7157,  
174.8470, 200.6029

14.7730, 13.6642,  
16.7910

215.4041,  
215.1319, 245.9682

8.7455, 7.8875,  
9.9252

260.6595,  
261.1730, 297.7039

4.6314, 4.0231,  
5.2445

311.8471,

2.0651, 1.6865,

313.3547, 356.2286

2.3302

369.3323,  
372.0614, 421.9608

■ 0.6702, 0.4149,  
0.7480

■ 0.0000, 0.0000,  
0.0000

■ 65.3235, 63.5817,  
74.4752

■ 65.3235, 63.5817,  
74.4752

■ 59.2356, 53.2439,  
66.7778

■ 72.2635, 75.5179,  
82.7789

■ 53.9593, 44.4276,  
59.6659

■ 80.0831, 89.1086,  
91.7007

■ 49.4586, 37.0621,  
53.1229

■ 83.8055, 94.3977,  
99.5874

■ 45.6930, 31.0676,  
47.1299

■ 85.2209, 94.9639,  
107.0405

■ 42.6177, 26.3567,  
41.6666

■ 85.4890, 95.0711,  
108.4526

■ 40.1830, 22.8316,  
36.7106

■ 38.3321, 20.3806,  
32.2373

■ 36.9971, 18.8701,  
28.2180

■ 36.1362, 18.1140,  
24.9537

# Harmonies

## Analogous

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



63.7232, 63.5817, 81.1061



65.3235, 63.5817, 74.4752



65.5927, 63.5817, 66.8668

# Triad

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



65.3235, 63.5817, 74.4752



59.6017, 63.5817, 55.8252



56.5870, 63.5817, 78.9069

# Complementary

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



65.3235, 63.5817, 74.4752



63.7124, 72.2500, 72.8785

# 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.



55.5503, 63.5817, 71.6475



65.3235, 63.5817, 74.4752



57.2571, 63.5817, 58.5731

# Square

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



65.3235, 63.5817, 74.4752



62.2374, 63.5817, 56.4609



55.7919, 63.5817, 64.2364



58.6629, 63.5817, 83.7916



# Rectangle

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



65.3235, 63.5817, 74.4752



64.9735, 63.5817, 62.3107



55.7919, 63.5817, 64.2364



56.1082, 63.5817, 76.6428

# Sweetspot

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



65.3253, 63.5845, 74.4766



92.1690, 95.0202, 105.5281



62.1395, 61.7873, 81.3251



19.5669, 20.0605, 22.3971



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



65.3253, 63.5845, 74.4766



83.3091, 79.8180, 94.8137



63.7605, 62.9586, 66.2364



14.7382, 14.5125, 16.8218



21.1335, 10.5876, 14.8641



1.6073, 0.8006, 1.3385



# Inverse Universe

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



65.3253, 63.5845, 74.4766



83.3091, 79.8180, 94.8137



65.3507, 72.9053, 81.5061



14.7382, 14.5125, 16.8218



21.1335, 10.5876, 14.8641

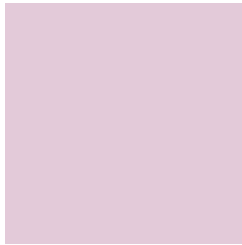


1.6073, 0.8006, 1.3385



# Previews

## White Background



This preview shows how the XYZ color 65.3235, 63.5817, 74.4752 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

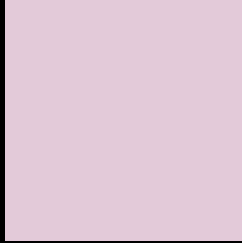
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.3235, 63.5817, 74.4752 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

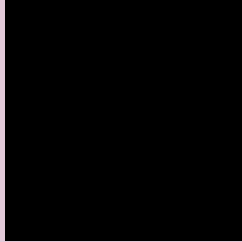
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.3235, 63.5817, 74.4752

## Background



This preview shows how black text looks on a background with the XYZ color 65.3235, 63.5817, 74.4752.



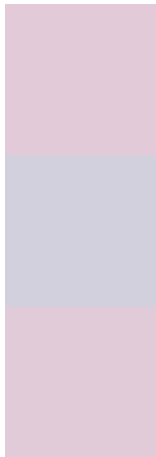
This preview shows how white text looks on a background with the XYZ color 65.3235, 63.5817,



# 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

65.3235, 63.5817, 74.4752

### Protanopia

61.7686, 63.8344, 76.7759

### Deuteranopia

64.9317, 63.7292, 74.5243



## Tritanopia

65.4540, 63.6339, 75.1624

# Trichromacy



## Original Color

65.3235, 63.5817, 74.4752

## Protanomaly

63.1764, 63.8560, 76.0135

## Deuteranomaly

65.2444, 63.8904, 74.5390

## Tritanomaly

65.4540, 63.6339, 75.1624

# Monochromacy



## Original Color

65.3235, 63.5817, 74.4752

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

63.1814, 64.6676, 72.1029

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.3235, 63.5817, 74.4752 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(227, 202, 217)` looks like.

```
.text, #text, p{  
    color:rgb(227, 202, 217)  
}
```

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(227, 202, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 202, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 65.3235, 63.5817, 74.4752 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(227, 202, 217) }
```



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

```
.border{ border-color:rgb(227, 202, 217) }
```

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

Here you see how a box with a 4 pixel rgb(227, 202, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 202, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 202, 217);  
box-shadow:4px 4px 4px 4px rgb(227, 202,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.3235, 63.5817, 74.4752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 202, 217) }
```

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

```
.background{ background-color: rgb(227,  
202, 217) }
```

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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