

# Converting Colors

XYZ(65.6278, 63.9725, 73.9833)

Have a look what the booklet for  
XYZ(65.6278, 63.9725, 73.9833)  
contains.

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# Color

**XYZ(65.7455, 64.1637,  
73.8854)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4CBD8
RGB	228, 203, 216
RGB Percent	89%, 80%, 85%
CMY	0.1059, 0.2039, 0.1529
CMYK	0.00, 0.11, 0.05, 0.11
HSL	329°, 32%, 85%
HSV	329°, 11%, 89%
XYZ	65.7455, 64.1637, 73.8854
YIQ	211.9570, 10.7270, 9.3430

# Conversions

## Conversions Part 2

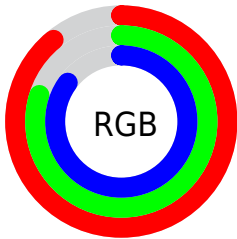
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	228, 203, 216
Decimal	14994392
CIE Lab	84.05, 10.94, -3.25
CIE LCh	84, 11.412, 343.460
Yxy	64.1637, 0.3226, 0.3148
Android (android.graphics.Color)	4293184472 (0xFFE4CBD8)
YUV	211.9570, 1.9932, 14.0697
Hunter-Lab	80.1022, 6.3285, 1.3832

# Details

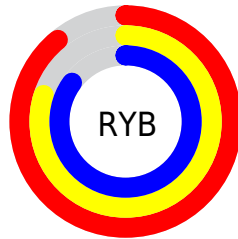
The XYZ color **65.7455, 64.1637, 73.8854** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.6402, 73.0913, 74.9946**, and the grayscale version is **62.5345, 65.7911, 71.6465**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.1937, 32.8388, 38.2545** is the 20% darker color. If you saturate the color by 10%, you get **59.3842, 53.6301, 65.0146**, and if you desaturate by 10%, it is **72.9966, 76.3243, 83.5195**.

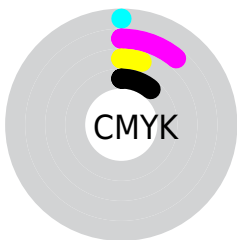
# Distribution



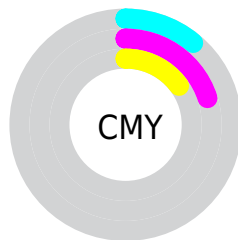
- Red (89%)
- Green (80%)
- Blue (85%)



- Red (89%)
- Yellow (80%)
- Blue (85%)



- Cyan (0%)
- Magenta (11%)
- Yellow (5%)
- Black (11%)



- Cyan (11%)
- Magenta (20%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.7455, 64.1637, 73.8854 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 65.7455, 64.1637, 73.8854 by changing the saturation by 10% instead.



65.7455, 64.1637,  
73.8854

65.7455, 64.1637,  
73.8854

434.9691,  
439.7805, 493.2306

48.3328, 46.7833,  
54.2040

112.1807,  
110.8467, 126.4659

34.3028, 32.8644,  
38.3705

141.9340,  
140.9180, 160.2021

23.2903, 22.0226,  
25.9663

176.5314,  
175.9884, 199.4603

14.9299, 13.8735,  
16.5729

216.3384,  
216.4423, 244.6591

8.8562, 8.0327,  
9.7717

261.7203,  
262.6640, 296.2169

4.7039, 4.1159,  
5.1443

313.0425,

2.1075, 1.7386,

315.0381, 354.5525

2.2719

370.6703,  
373.9488, 420.0842

■ 0.6933, 0.4485,  
0.7154

■ 0.0000, 0.0000,  
0.0000

■ 65.7455, 64.1637,  
73.8854

■ 65.7455, 64.1637,  
73.8854

■ 59.3842, 53.6301,  
65.0146

■ 72.9966, 76.3243,  
83.5195

■ 53.8709, 44.6454,  
56.8818

■ 81.1661, 90.1687,  
93.9328

■ 49.1686, 37.1378,  
49.4662

■ 84.8290, 94.8437,  
103.3263

■ 45.2353, 31.0265,  
42.7443

■ 85.8053, 95.2342,  
108.4674

■ 42.0252, 26.2226,  
36.6909

■ 39.4869, 22.6271,  
31.2786

■ 37.5621, 20.1267,  
26.4775

■ 36.1813, 18.5861,  
22.2532

■ 35.2977, 17.8152,  
18.8877

# Harmonies

## Analogous

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



64.3768, 64.1637, 80.4187



65.7455, 64.1637, 73.8854



65.8163, 64.1637, 66.6853

# Triad

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



65.7455, 64.1637, 73.8854



59.8657, 64.1637, 57.2277



57.5386, 64.1637, 79.8413

# Complementary

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



65.7455, 64.1637, 73.8854



64.6402, 73.0913, 74.9946

# 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.



56.3974, 64.1637, 73.1408



65.7455, 64.1637, 73.8854



57.7157, 64.1637, 60.2746

# Square

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



65.7455, 64.1637, 73.8854



62.3743, 64.1637, 57.3967



56.4613, 64.1637, 65.9900



59.6178, 64.1637, 84.0159



# Rectangle

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



65.7455, 64.1637, 73.8854



65.1145, 64.1637, 62.4940



56.4613, 64.1637, 65.9900



57.0351, 64.1637, 77.7905

# Sweetspot

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



65.7473, 64.1665, 73.8868



92.0722, 94.9815, 105.0182



63.2885, 62.7131, 82.1689



19.5408, 20.0500, 22.2595



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.



65.7473, 64.1665, 73.8868



82.9141, 79.6600, 92.7335



64.2322, 63.5605, 65.9082



14.6884, 14.4925, 16.5593



20.4423, 10.3111, 11.2239



1.5575, 0.7807, 1.0764



# Inverse Universe

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



65.7473, 64.1665, 73.8868



82.9141, 79.6600, 92.7335



66.2621, 73.7401, 83.5356



14.6884, 14.4925, 16.5593



20.4423, 10.3111, 11.2239

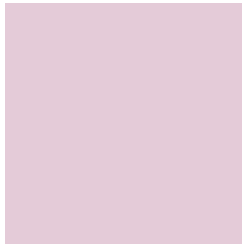


1.5575, 0.7807, 1.0764



# Previews

## White Background



This preview shows how the XYZ color 65.7455, 64.1637, 73.8854 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

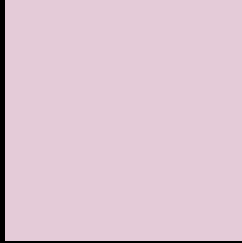
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.7455, 64.1637, 73.8854 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

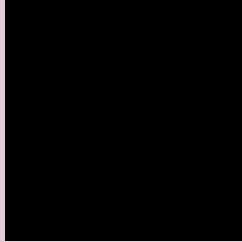
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.7455, 64.1637, 73.8854

## Background



This preview shows how black text looks on a background with the XYZ color 65.7455, 64.1637, 73.8854.



This preview shows how white text looks on a background with the XYZ color 65.7455, 64.1637,



# 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

65.7455, 64.1637, 73.8854

### Protanopia

62.4506, 64.5643, 76.1885

### Deuteranopia

65.4292, 64.0006, 73.8706



## Tritanopia

66.0057, 64.2678, 75.2557

# Trichromacy



## Original Color

65.7455, 64.1637, 73.8854

## Protanomaly

63.5830, 64.4393, 75.4165

## Deuteranomaly

65.4292, 64.0006, 73.8706

## Tritanomaly

65.8752, 64.2156, 74.5685

# Monochromacy



## Original Color

65.7455, 64.1637, 73.8854

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

63.7241, 65.3105, 72.1983

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.7455, 64.1637, 73.8854 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, 203, 216)` looks like.

```
.text, #text, p{  
    color:rgb(228, 203, 216)  
}
```

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, 203, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 203, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 65.7455, 64.1637, 73.8854 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, 203, 216) }
```



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

```
.border{ border-color:rgb(228, 203, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 203, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 203, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 203, 216);  
box-shadow:4px 4px 4px 4px rgb(228, 203,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.7455, 64.1637, 73.8854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 203, 216) }
```

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

```
.background{ background-color: rgb(228,  
203, 216) }
```

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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