

# Converting Colors

XYZ(66.4940, 64.9945, 73.8643)

Have a look what the booklet for  
XYZ(66.4940, 64.9945, 73.8643)  
contains.

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# Color

**XYZ(66.6207, 64.9666,  
73.9943)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6CCD8
RGB	230, 204, 216
RGB Percent	90%, 80%, 85%
CMY	0.0980, 0.2000, 0.1529
CMYK	0.00, 0.11, 0.06, 0.10
HSL	332°, 34%, 85%
HSV	332°, 11%, 90%
XYZ	66.6207, 64.9666, 73.9943
YIQ	213.1420, 11.6440, 9.2440

# Conversions

## Conversions Part 2

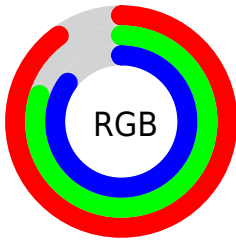
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 204, 216
Decimal	15125720
CIE Lab	84.47, 11.10, -2.62
CIE LCh	84, 11.406, 346.729
Yxy	64.9666, 0.3241, 0.3160
Android (android.graphics.Color)	4293315800 (0xFFE6CCD8)
YUV	213.1420, 1.4090, 14.7845
Hunter-Lab	80.6019, 6.4842, 1.9918

# Details

The XYZ color **66.6207, 64.9666, 73.9943** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.8561, 74.4947, 77.2412**, and the grayscale version is **63.3278, 66.6258, 72.5555**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.7949, 33.3846, 38.3282** is the 20% darker color. If you saturate the color by 10%, you get **60.0114, 54.2143, 64.1863**, and if you desaturate by 10%, it is **74.1617, 77.3874, 84.7100**.

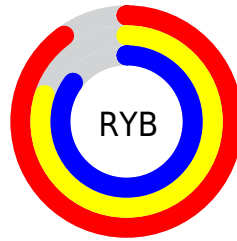
# Distribution



Red (90%)

Green (80%)

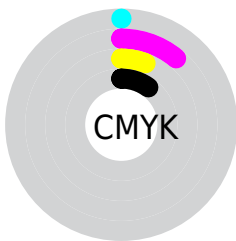
Blue (85%)



Red (90%)

Yellow (80%)

Blue (85%)

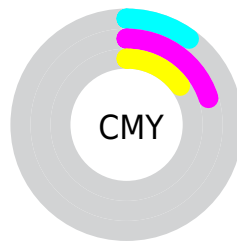


Cyan (0%)

Magenta (11%)

Yellow (6%)

Black (10%)



Cyan (10%)

Magenta (20%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6207, 64.9666, 73.9943 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 66.6207, 64.9666, 73.9943 by changing the saturation by 10% instead.



66.6207, 64.9666,  
73.9943

66.6207, 64.9666,  
73.9943

438.0472,  
442.6719, 493.6166

49.0460, 47.4340,  
54.2926

113.4295,  
112.0018, 126.6217

34.8707, 33.3789,  
38.4409

143.3944,  
142.2733, 160.3845

23.7293, 22.4168,  
26.0206

178.2200,  
177.5597, 199.6714

15.2566, 14.1635,  
16.6131

218.2718,  
218.2457, 244.9010

9.0872, 8.2345,  
9.8000

263.9150,  
264.7155, 296.4917

4.8556, 4.2454,  
5.1627

315.5151,

2.1967, 1.8117,

317.3535, 354.8622

2.2826

373.4374,  
376.5442, 420.4310

■ 0.7410, 0.4945,  
0.7215

■ 0.0000, 0.0000,  
0.0000

■ 66.6207, 64.9666,  
73.9943

■ 66.6207, 64.9666,  
73.9943

■ 60.0114, 54.2143,  
64.1863

■ 74.1617, 77.3874,  
84.7100

■ 54.2904, 45.0503,  
55.2563

■ 82.6644, 91.5353,  
96.3538

■ 49.4189, 37.4008,  
47.1784

■ 86.1488, 95.4453,  
106.9453

■ 45.3531, 31.1825,  
39.9242

■ 86.4436, 95.5632,  
108.4972

■ 42.0448, 26.3041,  
33.4631

■ 39.4407, 22.6636,  
27.7621

■ 37.4797, 20.1441,  
22.7849

■ 36.0893, 18.6059,  
18.4908

■ 35.2422, 17.8667,  
15.2639

# Harmonies

## Analogous

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



65.3702, 64.9666, 80.7552



66.6207, 64.9666, 73.9943



66.5406, 64.9666, 66.7910

# Triad

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



66.6207, 64.9666, 73.9943



60.3549, 64.9666, 58.1809



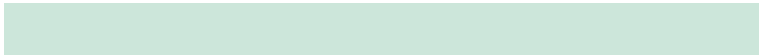
58.4642, 64.9666, 81.4081

# Complementary

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



66.6207, 64.9666, 73.9943



65.8561, 74.4947, 77.2412

# 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.



57.1928, 64.9666, 74.8367



66.6207, 64.9666, 73.9943



58.2637, 64.9666, 61.5847

# Square

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



66.6207, 64.9666, 73.9943



62.8757, 64.9666, 57.9896



57.1204, 64.9666, 67.5779



60.6354, 64.9666, 85.2290



# Rectangle

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



66.6207, 64.9666, 73.9943



65.7427, 64.9666, 62.7054



57.1204, 64.9666, 67.5779



57.9200, 64.9666, 79.4280

# Sweetspot

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



66.6226, 64.9694, 73.9957



92.0016, 94.9533, 104.6466



64.7518, 63.7869, 83.7632



19.5217, 20.0424, 22.1592



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.



66.6226, 64.9694, 73.9957



81.7574, 78.1227, 89.9550



65.3340, 64.7845, 66.1913



14.6523, 14.4781, 16.3693



20.0122, 10.1391, 8.9590



1.5253, 0.7678, 0.9068



# Inverse Universe

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



66.6226, 64.9694, 73.9957



81.7574, 78.1227, 89.9550



67.2431, 74.6646, 85.7315



14.6523, 14.4781, 16.3693



20.0122, 10.1391, 8.9590

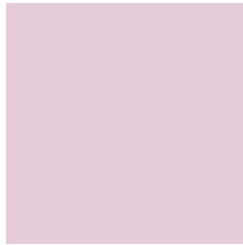


1.5253, 0.7678, 0.9068



# Previews

## White Background



This preview shows how the XYZ color 66.6207, 64.9666, 73.9943 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

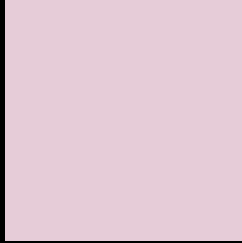
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.6207, 64.9666, 73.9943 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

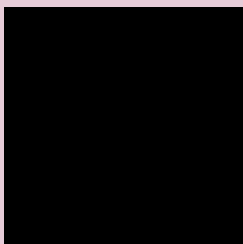
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 66.6207, 64.9666, 73.9943**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.6207, 64.9666, 73.9943.



This preview shows how white text looks on a background with the XYZ color 66.6207, 64.9666,



# 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

66.6207, 64.9666, 73.9943

### Protanopia

62.9842, 65.2047, 76.2840

### Deuteranopia

66.3006, 64.8016, 73.9793



## Tritanopia

66.7752, 64.6493, 75.9770

# Trichromacy



## Original Color

66.6207, 64.9666, 73.9943

## Protanomaly

64.4242, 65.2338, 75.5255

## Deuteranomaly

66.3006, 64.8016, 73.9793

## Tritanomaly

66.6440, 64.5968, 75.2856

# Monochromacy



## Original Color

66.6207, 64.9666, 73.9943

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

64.3976, 66.0083, 72.9651

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.6207, 64.9666, 73.9943 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(230, 204, 216) looks like.

```
.text, #text, p{  
    color:rgb(230, 204, 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(230, 204, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 204, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 66.6207, 64.9666, 73.9943 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(230, 204, 216) }
```



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

```
.border{ border-color:rgb(230, 204, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 204, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 204, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 204, 216);  
box-shadow:4px 4px 4px 4px rgb(230, 204,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.6207, 64.9666, 73.9943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 204, 216) }
```

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

```
.background{ background-color: rgb(230,  
204, 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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