

# Converting Colors

XYZ(63.6396, 65.9070, 72.5285)

Have a look what the booklet for  
XYZ(63.6396, 65.9070, 72.5285)  
contains.

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# **Color**

**XYZ(63.6234, 65.9916,  
72.3351)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8D3D5
RGB	216, 211, 213
RGB Percent	85%, 83%, 84%
CMY	0.1529, 0.1725, 0.1647
CMYK	0.00, 0.02, 0.01, 0.15
HSL	336°, 6%, 84%
HSV	336°, 2%, 85%
XYZ	63.6234, 65.9916, 72.3351
YIQ	212.7230, 2.3380, 1.6820

# Conversions

## Conversions Part 2

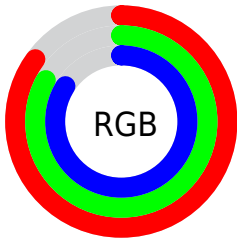
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 211, 213
Decimal	14210005
CIE Lab	84.99, 2.07, -0.39
CIE LCh	85, 2.109, 349.397
Yxy	65.9916, 0.3150, 0.3268
Android (android.graphics.Color)	4292400085 (0xFFD8D3D5)
YUV	212.7230, 0.1366, 2.8739
Hunter-Lab	81.2352, -2.3605, 4.0705

# Details

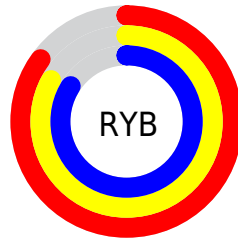
The XYZ color **63.6234, 65.9916, 72.3351** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.5599, 67.8173, 73.3618**, and the grayscale version is **63.0605, 66.3445, 72.2492**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.9265, 34.1596, 37.2058** is the 20% darker color. If you saturate the color by 10%, you get **57.0332, 55.3405, 62.3388**, and if you desaturate by 10%, it is **71.0701, 78.1432, 83.2681**.

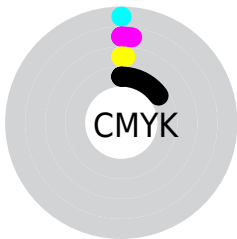
# Distribution



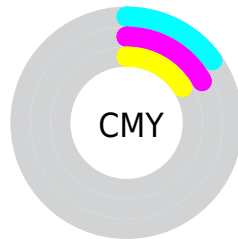
- Red (85%)
- Green (83%)
- Blue (84%)



- Red (85%)
- Yellow (83%)
- Blue (84%)



- Cyan (0%)
- Magenta (2%)
- Yellow (1%)
- Black (15%)



- Cyan (15%)
- Magenta (17%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6234, 65.9916, 72.3351 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 63.6234, 65.9916, 72.3351 by changing the saturation by 10% instead.



■ 63.6234, 65.9916,  
72.3351

■ 63.6234, 65.9916,  
72.3351

427.4522,  
446.3468, 487.7160

■ 46.6063, 48.2656,  
52.9440

109.1452,  
113.4743, 124.2450

■ 32.9311, 34.0373,  
37.3706

138.3805,  
143.9997, 157.6008

■ 22.2327, 22.9222,  
25.1965

172.4193,  
179.5604, 196.4486

■ 14.1455, 14.5361,  
16.0032

211.6268,  
220.5408, 241.2069

■ 8.3043, 8.4945,  
9.3720

256.3686,  
267.3253, 292.2942

■ 4.3437, 4.4129,  
4.8845

307.0098,

■ 1.8984, 1.9071,

320.2981, 350.1292

2.1221

363.9159,  
379.8439, 415.1302

■ 0.5759, 0.5527,  
0.6289

■ 0.0000, 0.0000,  
0.0000

■ 63.6234, 65.9916,  
72.3351

■ 63.6234, 65.9916,  
72.3351

■ 57.0332, 55.3405,  
62.3388

■ 71.0701, 78.1432,  
83.2681

■ 51.2622, 46.1230,  
53.2493

■ 79.3976, 91.8418,  
95.1581

■ 46.2787, 38.2797,  
45.0411

■ 81.6358, 93.1417,  
105.6967

■ 42.0468, 31.7440,  
37.6860

■ 82.1293, 93.3391,  
108.2953

■ 38.5274, 26.4435,  
31.1539

■ 35.6779, 22.2987,  
25.4129

■ 33.4510, 19.2208,  
20.4286

■ 31.7924, 17.1078,  
16.1633

■ 30.6376, 15.8374,  
12.5747

# Harmonies

## Analogous

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



63.4178, 65.9916, 73.5663



63.6234, 65.9916, 72.3351



63.5869, 65.9916, 70.9900

# Triad

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



63.6234, 65.9916, 72.3351



62.4207, 65.9916, 69.4190



62.1316, 65.9916, 73.8542

# Complementary

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



63.6234, 65.9916, 72.3351



63.5599, 67.8173, 73.3618

# 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.



61.8671, 65.9916, 72.7243



63.6234, 65.9916, 72.3351



62.0334, 65.9916, 70.1678

# Square

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



63.6234, 65.9916, 72.3351



62.8909, 65.9916, 69.3177



61.8312, 65.9916, 71.3743



62.5554, 65.9916, 74.4506



# Rectangle

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



63.6234, 65.9916, 72.3351



63.4302, 65.9916, 70.2092



61.8312, 65.9916, 71.3743



62.0212, 65.9916, 73.5235

# Sweetspot

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



63.6253, 65.9944, 72.3365



93.9963, 98.2856, 107.3375



63.4228, 65.8457, 74.3333



20.1302, 21.0552, 22.9911



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.



63.6253, 65.9944, 72.3365



91.9271, 94.9235, 104.2541



63.4977, 66.1423, 71.0516



13.4330, 13.8062, 15.1945



17.8134, 9.0617, 6.3213



1.1147, 0.5627, 0.5934

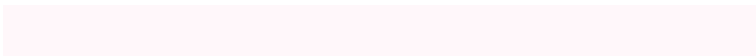


# Inverse Universe

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



63.6253, 65.9944, 72.3365



91.9271, 94.9235, 104.2541



63.6887, 67.6644, 74.6704



13.4330, 13.8062, 15.1945



17.8134, 9.0617, 6.3213

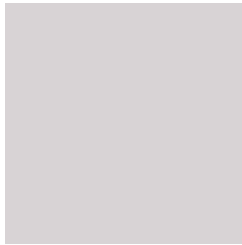


1.1147, 0.5627, 0.5934



# Previews

## White Background



This preview shows how the XYZ color 63.6234, 65.9916, 72.3351 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 63.6234, 65.9916, 72.3351 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

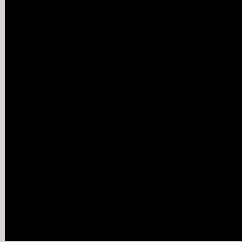
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

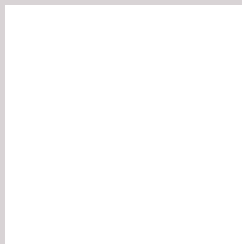
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 63.6234, 65.9916, 72.3351

## Background



This preview shows how black text looks on a background with the XYZ color 63.6234, 65.9916, 72.3351.



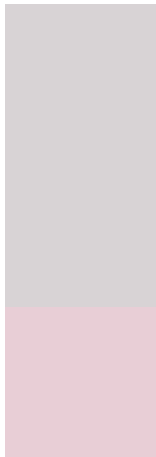
This preview shows how white text looks on a background with the XYZ color 63.6234, 65.9916,



# 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

63.6234, 65.9916, 72.3351

### Protanopia

63.6234, 65.9916, 72.3351

### Deuteranopia

67.4876, 66.1535, 72.8302



## Tritanopia

65.4414, 65.9973, 81.2411

# Trichromacy



## Original Color

63.6234, 65.9916, 72.3351

## Protanomaly

63.6234, 65.9916, 72.3351

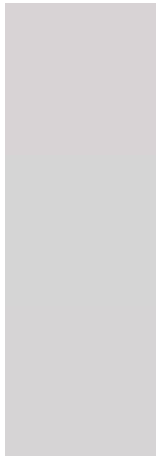
## Deuteranomaly

66.0575, 66.1355, 72.9022

## Tritanomaly

64.7130, 66.0654, 77.7478

# Monochromacy



## Original Color

63.6234, 65.9916, 72.3351

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

63.2853, 66.1872, 72.3907

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.6234, 65.9916, 72.3351 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(216, 211, 213) looks like.

```
.text, #text, p{  
    color:rgb(216, 211, 213)  
}
```

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(216, 211, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 211, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 63.6234, 65.9916, 72.3351 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(216, 211, 213) }
```



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

```
.border{ border-color:rgb(216, 211, 213) }
```

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

Here you see how a box with a 4 pixel rgb(216, 211, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 211, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 211, 213);  
box-shadow:4px 4px 4px 4px rgb(216, 211,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.6234, 65.9916, 72.3351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 211, 213) }
```

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

```
.background{ background-color: rgb(216,  
211, 213) }
```

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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