

# Converting Colors

XYZ(64.5982, 67.6524, 69.2001)

Have a look what the booklet for  
XYZ(64.5982, 67.6524, 69.2001)  
contains.

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# **Color**

**XYZ(64.6452, 67.7073,  
69.3362)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBD6D0
RGB	219, 214, 208
RGB Percent	86%, 84%, 82%
CMY	0.1412, 0.1608, 0.1843
CMYK	0.00, 0.02, 0.05, 0.14
HSL	33°, 13%, 84%
HSV	33°, 5%, 86%
XYZ	64.6452, 67.7073, 69.3362
YIQ	214.8110, 4.9060, -0.8060

# Conversions

## Conversions Part 2

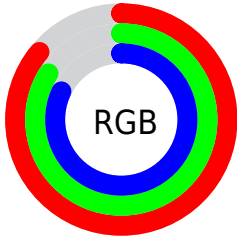
Format	Color
R <sub>Y</sub> B	217, 219, 208
Decimal	14407376
CIE Lab	85.86, 0.66, 3.55
CIE LCh	86, 3.615, 79.451
Yxy	67.7073, 0.3205, 0.3357
Android (android.graphics.Color)	4292597456 (0xFFDBD6D0)
YUV	214.8110, -3.3578, 3.6738
Hunter-Lab	82.2844, -3.7627, 7.6390

# Details

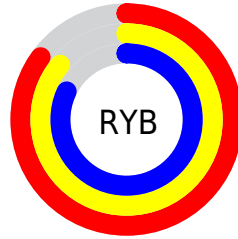
The XYZ color **64.6452, 67.7073, 69.3362** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.5929, 66.1120, 76.4806**, and the grayscale version is **64.4848, 67.8430, 73.8810**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.5407, 35.0219, 35.5640** is the 20% darker color. If you saturate the color by 10%, you get **59.6943, 61.8232, 55.2978**, and if you desaturate by 10%, it is **70.1258, 74.0536, 85.3883**.

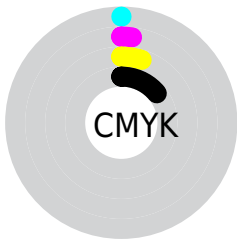
# Distribution



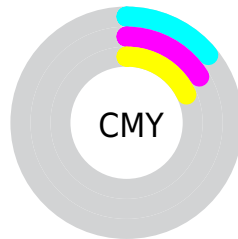
- Red (86%)
- Green (84%)
- Blue (82%)



- Red (85%)
- Yellow (86%)
- Blue (82%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (14%)



- Cyan (14%)
- Magenta (16%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6452, 67.7073, 69.3362 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 64.6452, 67.7073, 69.3362 by changing the saturation by 10% instead.



■ 64.6452, 67.7073,  
69.3362

■ 64.6452, 67.7073,  
69.3362

431.0813,  
452.4583, 476.9418

■ 47.4371, 49.6596,  
50.5121

110.6082,  
115.9333, 119.9339

■ 33.5907, 35.1430,  
35.4464

140.0937,  
146.8805, 152.5445

■ 22.7407, 23.7731,  
23.7207

174.4024,  
182.8962, 190.5878

■ 14.5218, 15.1654,  
14.9163

213.8997,  
224.3650, 234.4821

■ 8.5686, 8.9355,  
8.6147

258.9509,  
271.6712, 284.6462

■ 4.5157, 4.6992,  
4.3973

309.9213,

■ 1.9978, 2.0719,

325.1992, 341.4985

1.8458

367.1763,  
385.3335, 405.4575

■ 0.6327, 0.6487,  
0.4579

■ 0.0000, 0.0000,  
0.0000

■ 64.6452, 67.7073,  
69.3362

■ 64.6452, 67.7073,  
69.3362

■ 59.6943, 61.8232,  
55.2978

■ 70.1258, 74.0536,  
85.3883

■ 55.2495, 56.3811,  
43.1880

■ 76.1472, 80.8642,  
103.5259

■ 51.2936, 51.3717,  
32.9222

■ 79.5682, 86.8891,  
107.1853

■ 47.8065, 46.7823,  
24.4074

■ 82.6400, 93.0326,  
108.2092

■ 44.7661, 42.5995,  
17.5428

■ 83.0238, 93.8003,  
108.3372

■ 42.1484, 38.8087,  
12.2169

■ 39.9267, 35.3941,  
8.3043

■ 38.0702, 32.3382,  
5.6596

■ 36.5420, 29.6208,  
4.1050

# Harmonies

## Analogous

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



65.3927, 67.7073, 70.3164



64.6452, 67.7073, 69.3362



63.8259, 67.7073, 69.5119

# Triad

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



64.6452, 67.7073, 69.3362



62.8665, 67.7073, 75.2481



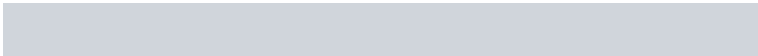
65.5692, 67.7073, 76.7210

# Complementary

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



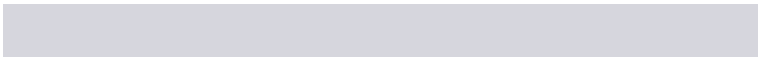
64.6452, 67.7073, 69.3362



62.5929, 66.1120, 76.4806

# 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.



64.8846, 67.7073, 78.0982



64.6452, 67.7073, 69.3362



63.3259, 67.7073, 77.2353

# Square

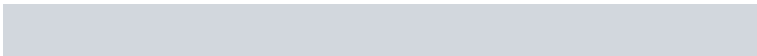
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.6452, 67.7073, 69.3362



62.8037, 67.7073, 72.8915



64.0632, 67.7073, 78.2884



65.9292, 67.7073, 74.5583



# Rectangle

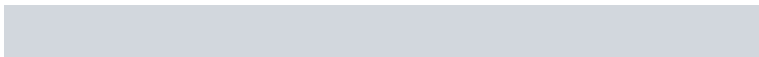
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.6452, 67.7073, 69.3362



63.3490, 67.7073, 70.2621



64.0632, 67.7073, 78.2884



65.3691, 67.7073, 77.2931

# Sweetspot

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



64.6471, 67.7102, 69.3377



93.5051, 98.2068, 104.3879



63.7974, 64.9838, 72.2212



20.0302, 21.0392, 22.3906



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

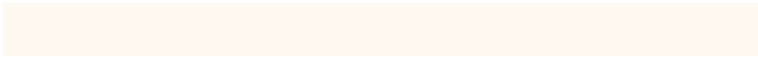


# Same Dimension

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



64.6471, 67.7102, 69.3377



90.5067, 94.6995, 95.7132



65.8208, 70.2213, 69.7605



13.9549, 14.5933, 14.6450



21.3823, 17.0501, 2.1640

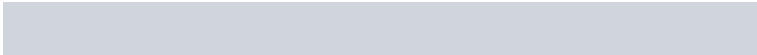


1.4710, 1.2760, 0.1688



# Inverse Universe

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



62.5929, 66.1120, 76.4806



87.0370, 92.0000, 107.7782



61.4587, 63.6904, 76.0730



13.3707, 14.1387, 16.6765



10.3601, 8.5897, 40.8503

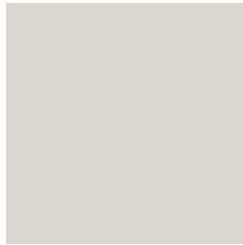


0.7565, 0.7272, 2.6749



# Previews

## White Background



This preview shows how the XYZ color 64.6452, 67.7073, 69.3362 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

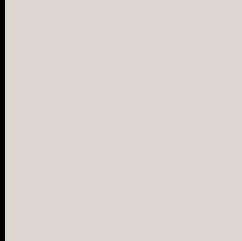
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.6452, 67.7073, 69.3362 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

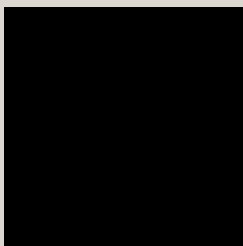
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

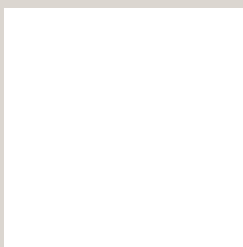
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.6452, 67.7073, 69.3362**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.6452, 67.7073, 69.3362.



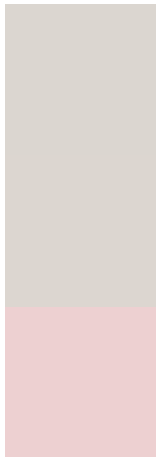
This preview shows how white text looks on a background with the XYZ color 64.6452, 67.7073,



# 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

64.6452, 67.7073, 69.3362

### Protanopia

64.9469, 67.8628, 69.3503

### Deuteranopia

68.9896, 67.7197, 69.7567



## Tritanopia

67.4221, 67.7196, 82.9164

# Trichromacy



## Original Color

64.6452, 67.7073, 69.3362

## Protanomaly

64.9469, 67.8628, 69.3503

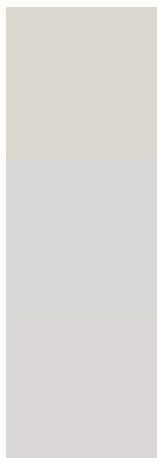
## Deuteranomaly

67.1883, 67.5196, 69.8130

## Tritanomaly

66.4134, 67.6796, 77.9697

# Monochromacy



## Original Color

64.6452, 67.7073, 69.3362

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

64.5030, 67.9533, 72.0040

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.6452, 67.7073, 69.3362 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(219, 214, 208) looks like.

```
.text, #text, p{  
    color:rgb(219, 214, 208)  
}
```

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(219, 214, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 214, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 64.6452, 67.7073, 69.3362 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(219, 214, 208) }
```



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

```
.border{ border-color:rgb(219, 214, 208) }
```

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

Here you see how a box with a 4 pixel rgb(219, 214, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 214, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 214, 208);  
box-shadow:4px 4px 4px 4px rgb(219, 214,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.6452, 67.7073, 69.3362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 214, 208) }
```

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

```
.background{ background-color: rgb(219,  
214, 208) }
```

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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