

# Converting Colors

XYZ(69.0348, 69.5637, 70.7703)

Have a look what the booklet for  
XYZ(69.0348, 69.5637, 70.7703)  
contains.

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# Color

**XYZ(69.0314, 69.5653,  
70.7619)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9D5D2
RGB	233, 213, 210
RGB Percent	91%, 84%, 82%
CMY	0.0863, 0.1647, 0.1765
CMYK	0.00, 0.09, 0.10, 0.09
HSL	8°, 34%, 87%
HSV	8°, 10%, 91%
XYZ	69.0314, 69.5653, 70.7619
YIQ	218.6380, 12.8830, 3.3070

# Conversions

## Conversions Part 2

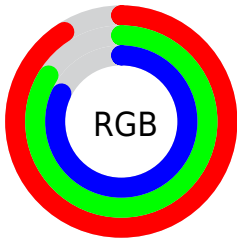
Format	Color
R <sub>Y</sub> B	233, 213, 210
Decimal	15324626
CIE Lab	86.78, 6.41, 3.97
CIE LCh	87, 7.542, 31.801
Yxy	69.5653, 0.3297, 0.3323
Android (android.graphics.Color)	4293514706 (0xFFE9D5D2)
YUV	218.6380, -4.2585, 12.5955
Hunter-Lab	83.4058, 1.7766, 8.0821

# Details

The XYZ color **69.0314, 69.5653, 70.7619** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.5829, 76.1771, 88.1278**, and the grayscale version is **67.1051, 70.5998, 76.8832**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3591, 36.2011, 36.5237** is the 20% darker color. If you saturate the color by 10%, you get **61.5568, 58.9279, 54.9761**, and if you desaturate by 10%, it is **77.5690, 81.6508, 88.9888**.

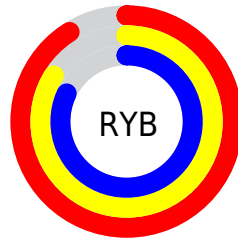
# Distribution



Red (91%)

Green (84%)

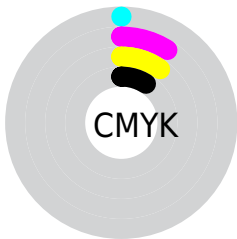
Blue (82%)



Red (91%)

Yellow (84%)

Blue (82%)

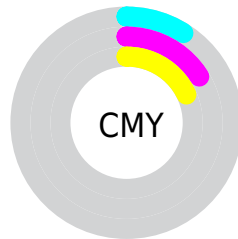


Cyan (0%)

Magenta (9%)

Yellow (10%)

Black (9%)



Cyan (9%)

Magenta (16%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0314, 69.5653, 70.7619 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 69.0314, 69.5653, 70.7619 by changing the saturation by 10% instead.



69.0314, 69.5653,  
70.7619

69.0314, 69.5653,  
70.7619

446.4614,  
459.0222, 482.0819

51.0140, 51.1722,  
51.6673

116.8602,  
118.5886, 121.9859

36.4409, 36.3457,  
36.3595

147.4024,  
149.9877, 154.9524

24.9466, 24.7013,  
24.4201

182.8502,  
186.4908, 193.3799

16.1658, 15.8547,  
15.4305

223.5690,  
228.4825, 237.6870

9.7331, 9.4214,  
8.9721

269.9242,  
276.3471, 288.2922

5.2833, 5.0170,  
4.6264

322.2811,

2.4509, 2.2573,

330.4690, 345.6140

1.9749

381.0050,  
391.2326, 410.0711

■ 0.8705, 0.7509,  
0.5398

■ 0.0000, 0.0000,  
0.0000

■ 69.0314, 69.5653,  
70.7619

■ 69.0314, 69.5653,  
70.7619

■ 61.5568, 58.9279,  
54.9761

■ 77.5690, 81.6508,  
88.9888

■ 55.0979, 49.6753,  
41.5235

■ 86.9440, 95.1227,  
108.3858

■ 49.6122, 41.7532,  
30.2944

■ 87.4146, 96.0638,  
108.5427

■ 45.0522, 35.1002,  
21.1689

■ 41.3662, 29.6500,  
14.0155

■ 38.4974, 25.3305,  
8.6879

■ 36.3822, 22.0612,  
5.0195

■ 34.9471, 19.7515,  
2.8130

■ 34.0883, 18.2886,  
1.7420

# Harmonies

## Analogous

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



69.5527, 69.5653, 75.4413



69.0314, 69.5653, 70.7619



67.7283, 69.5653, 67.5373

# Triad

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



69.0314, 69.5653, 70.7619



63.1881, 69.5653, 71.2661



66.2259, 69.5653, 85.8281

# Complementary

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



69.0314, 69.5653, 70.7619



69.5829, 76.1771, 88.1278

# 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.



64.5368, 69.5653, 84.5917



69.0314, 69.5653, 70.7619



62.8016, 69.5653, 76.0491

# Square

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



69.0314, 69.5653, 70.7619



64.3562, 69.5653, 67.8192



63.2911, 69.5653, 80.9563



67.9152, 69.5653, 84.2650



# Rectangle

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



69.0314, 69.5653, 70.7619



66.6025, 69.5653, 66.5701



63.2911, 69.5653, 80.9563



65.6393, 69.5653, 85.7259

# Sweetspot

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



69.0333, 69.5684, 70.7634



91.7574, 95.3468, 101.8468



70.9792, 69.1488, 84.7032



19.4559, 20.1479, 21.4061



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

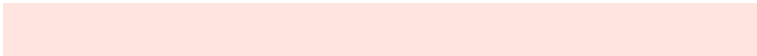


# Same Dimension

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



69.0333, 69.5684, 70.7634



82.6016, 82.3689, 82.3510



71.9430, 75.3876, 71.7333



15.2240, 15.3711, 15.6832



19.3872, 10.4686, 0.9988



1.5732, 0.9237, 0.0954

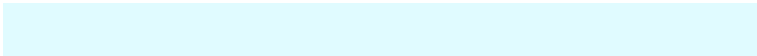


# Inverse Universe

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



69.5829, 76.1771, 88.1278



83.4128, 92.1277, 107.9938



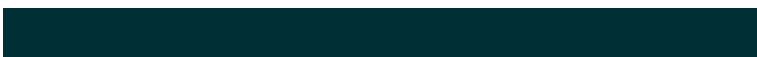
66.5710, 70.1533, 87.1239



15.3401, 16.7667, 19.3500



20.4708, 27.5886, 47.9892

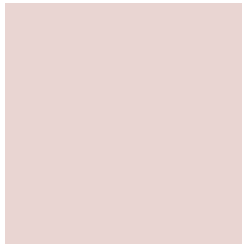


1.6542, 2.2598, 3.7839



# Previews

## White Background



This preview shows how the XYZ color 69.0314, 69.5653, 70.7619 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

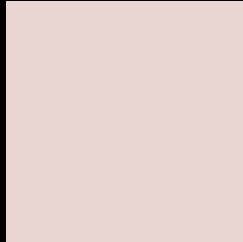
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.0314, 69.5653, 70.7619 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

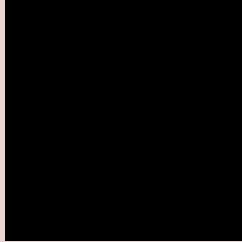
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

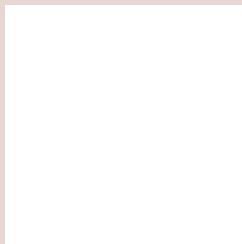
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 69.0314, 69.5653, 70.7619

## Background



This preview shows how black text looks on a background with the XYZ color 69.0314, 69.5653, 70.7619.



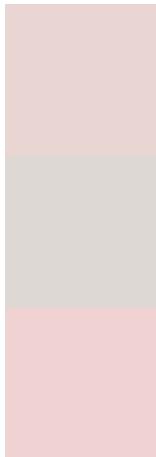
This preview shows how white text looks on a background with the XYZ color 69.0314, 69.5653,

70.7619.

# 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

69.0314, 69.5653, 70.7619

### Protanopia

66.5637, 69.3948, 72.1736

### Deuteranopia

71.0801, 69.4971, 71.2960



## Tritanopia

71.1727, 69.3014, 82.2984

# Trichromacy



## Original Color

69.0314, 69.5653, 70.7619

## Protanomaly

67.4223, 69.4728, 71.4841

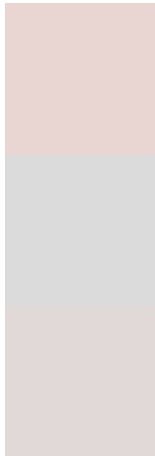
## Deuteranomaly

70.3120, 69.4688, 71.3310

## Tritanomaly

70.2771, 69.3014, 78.0791

# Monochromacy



## Original Color

69.0314, 69.5653, 70.7619

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

67.9480, 70.4309, 74.9790

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.0314, 69.5653, 70.7619 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(233, 213, 210)` looks like.

```
.text, #text, p{  
    color:rgb(233, 213, 210)  
}
```

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(233, 213, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 213, 210) }
```

## Border

The CSS property to change the border of an element to XYZ 69.0314, 69.5653, 70.7619 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(233, 213, 210) }
```



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

```
.border{ border-color:rgb(233, 213, 210) }
```

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

Here you see how a box with a 4 pixel rgb(233, 213, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 213, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 213, 210);  
box-shadow:4px 4px 4px 4px rgb(233, 213,  
210) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.0314, 69.5653, 70.7619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 213, 210) }
```

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

```
.background{ background-color: rgb(233,  
213, 210) }
```

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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