

# Converting Colors

XYZ(69.7093, 71.3557, 65.9819)

Have a look what the booklet for  
XYZ(69.7093, 71.3557, 65.9819)  
contains.

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# Color

**XYZ(69.7345, 71.5521,  
66.0127)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EBD9CA
RGB	235, 217, 202
RGB Percent	92%, 85%, 79%
CMY	0.0784, 0.1490, 0.2078
CMYK	0.00, 0.08, 0.14, 0.08
HSL	27°, 45%, 86%
HSV	27°, 14%, 92%
XYZ	69.7345, 71.5521, 66.0127
YIQ	220.6720, 15.5430, -0.8490

# Conversions

## Conversions Part 2

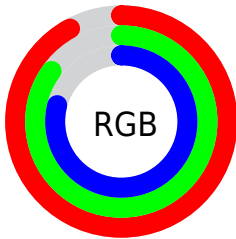
Format	Color
R <sub>Y</sub> B	235, 230, 202
Decimal	15456714
CIE Lab	87.75, 3.75, 9.61
CIE LCh	88, 10.318, 68.673
Yxy	71.5521, 0.3364, 0.3452
Android (android.graphics.Color)	4293646794 (0xFFEBD9CA)
YUV	220.6720, -9.2053, 12.5657
Hunter-Lab	84.5885, -0.8749, 12.9421

# Details

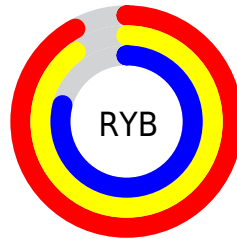
The XYZ color **69.7345, 71.5521, 66.0127** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.9456, 69.7399, 88.6362**, and the grayscale version is **68.5537, 72.1239, 78.5429**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.8560, 37.5625, 33.3247** is the 20% darker color. If you saturate the color by 10%, you get **63.9858, 64.1731, 51.3983**, and if you desaturate by 10%, it is **76.1674, 79.6200, 82.9473**.

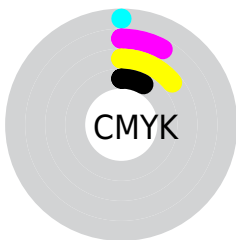
# Distribution



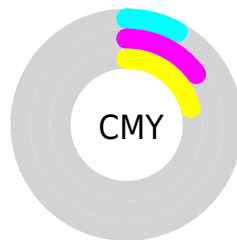
- Red (92%)
- Green (85%)
- Blue (79%)



- Red (92%)
- Yellow (90%)
- Blue (79%)



- Cyan (0%)
- Magenta (8%)
- Yellow (14%)
- Black (8%)



- Cyan (8%)
- Magenta (15%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.7345, 71.5521, 66.0127 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 69.7345, 71.5521, 66.0127 by changing the saturation by 10% instead.



69.7345, 71.5521,  
66.0127

69.7345, 71.5521,  
66.0127

448.8982,  
465.9811, 464.8278

51.5889, 52.7929,  
47.8262

117.8584,  
121.4195, 115.1317

36.9005, 37.6374,  
33.3302

148.5674,  
153.2965, 146.9013

25.3038, 25.7014,  
22.1064

184.1950,  
190.3149, 184.0357

16.4334, 16.6004,  
13.7360

225.1064,  
232.8590, 226.9533

9.9242, 9.9500,  
7.8006

271.6671,  
281.3133, 276.0728

5.4106, 5.3658,  
3.8817

324.2424,

2.5273, 2.4635,

336.0622, 331.8127

1.5607

383.1977,  
397.4900, 394.5915

■ 0.9091, 0.8583,  
0.2625

■ 0.0000, 0.0000,  
0.0000

■ 69.7345, 71.5521,  
66.0127

■ 69.7345, 71.5521,  
66.0127

■ 63.9858, 64.1731,  
51.3983

■ 76.1674, 79.6200,  
82.9473

■ 58.8905, 57.4544,  
38.9969

■ 83.3023, 88.3856,  
102.2937

■ 54.4241, 51.3787,  
28.7000

■ 88.0713, 96.4023,  
108.5734

■ 50.5580, 45.9247,  
20.3874

■ 47.2609, 41.0696,  
13.9271

■ 44.4984, 36.7888,  
9.1707

■ 42.2312, 33.0551,  
5.9462

■ 40.4126, 29.8381,  
4.0448

■ 39.5032, 28.1462,  
3.3507

# Harmonies

## Analogous

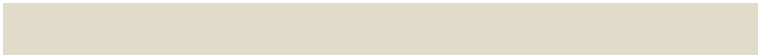
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7498, 71.5521, 69.7840



69.7345, 71.5521, 66.0127



67.3007, 71.5521, 65.3265

# Triad

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



69.7345, 71.5521, 66.0127



63.4600, 71.5521, 79.9587



70.9922, 71.5521, 88.9143

# Complementary

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



69.7345, 71.5521, 66.0127



64.9456, 69.7399, 88.6362

# 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.



68.7204, 71.5521, 92.0095



69.7345, 71.5521, 66.0127



64.3989, 71.5521, 86.6394

# Square

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



69.7345, 71.5521, 66.0127



63.7168, 71.5521, 73.1073



66.3105, 71.5521, 91.1529



72.4879, 71.5521, 82.9146



# Rectangle

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



69.7345, 71.5521, 66.0127



65.7744, 71.5521, 66.6685



66.3105, 71.5521, 91.1529



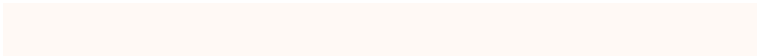
70.2918, 71.5521, 90.3448

# Sweetspot

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



69.7365, 71.5553, 66.0142



91.7020, 95.8626, 99.8963



68.3205, 65.0795, 76.7760



19.4965, 20.3553, 21.0308



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

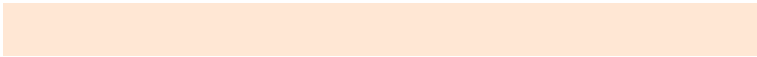


# Same Dimension

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



69.7365, 71.5553, 66.0142



81.7563, 83.3494, 73.8351



74.1606, 80.4035, 67.4889



15.6296, 16.1822, 15.8184



22.1091, 15.9125, 1.9061



1.8311, 1.4396, 0.1814

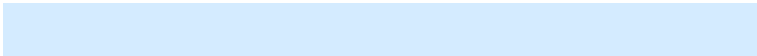


# Inverse Universe

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



64.9456, 69.7399, 88.6362



74.8920, 80.7479, 106.2464



60.8633, 61.5753, 87.2754



14.9119, 15.9103, 19.2073



12.7821, 12.2112, 45.4263

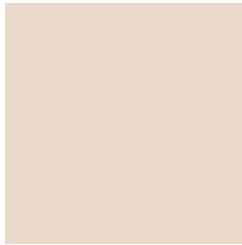


1.0997, 1.1508, 3.5990



# Previews

## White Background



This preview shows how the XYZ color 69.7345, 71.5521, 66.0127 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 69.7345, 71.5521, 66.0127 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

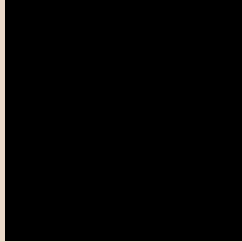
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 69.7345, 71.5521, 66.0127**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.7345, 71.5521, 66.0127.



This preview shows how white text looks on a background with the XYZ color 69.7345, 71.5521,



# 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

69.7345, 71.5521, 66.0127

### Protanopia

68.1059, 71.4688, 66.7052

### Deuteranopia

73.0344, 71.3552, 66.4235



## Tritanopia

73.6738, 71.6524, 84.8102

# Trichromacy



## Original Color

69.7345, 71.5521, 66.0127

## Protanomaly

68.8059, 71.4435, 66.6634

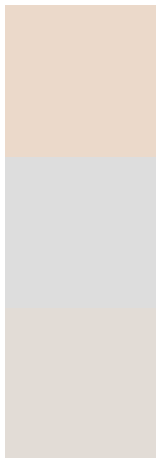
## Deuteranomaly

71.7882, 71.4596, 66.5094

## Tritanomaly

72.2247, 71.4376, 77.6923

# Monochromacy



## Original Color

69.7345, 71.5521, 66.0127

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

69.0948, 72.2102, 73.9146

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.7345, 71.5521, 66.0127 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(235, 217, 202) looks like.

```
.text, #text, p{  
    color:rgb(235, 217, 202)  
}
```

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(235, 217, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 217, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 69.7345, 71.5521, 66.0127 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(235, 217, 202) }
```



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

```
.border{ border-color:rgb(235, 217, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 217, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 217, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 217, 202);  
box-shadow:4px 4px 4px 4px rgb(235, 217,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.7345, 71.5521, 66.0127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 217, 202) }
```

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

```
.background{ background-color: rgb(235,  
217, 202) }
```

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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