

Converting Colors

XYZ(67.1159, 69.4776, 58.5943)

Have a look what the booklet for
XYZ(67.1159, 69.4776, 58.5943)
contains.

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Color

**XYZ(67.1990, 69.6422,
58.6157)**

Conversions

Conversions Part 1

Format	Color
Hex	E9D7BE
RGB	233, 215, 190
RGB Percent	91%, 84%, 75%
CMY	0.0863, 0.1568, 0.2549
CMYK	0.00, 0.08, 0.18, 0.09
HSL	35°, 49%, 83%
HSV	35°, 18%, 91%
XYZ	67.1990, 69.6422, 58.6157
YIQ	217.5320, 18.7530, -3.9590

Conversions

Conversions Part 2

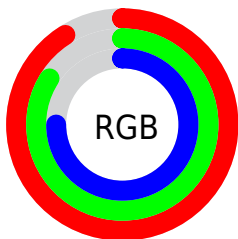
Format	Color
R _Y B	221, 233, 190
Decimal	15325118
CIE Lab	86.82, 2.23, 14.58
CIE LCh	87, 14.750, 81.287
Yxy	69.6422, 0.3438, 0.3563
Android (android.graphics.Color)	4293515198 (0xFFE9D7BE)
YUV	217.5320, -13.5733, 13.5654
Hunter-Lab	83.4519, -2.3051, 16.7717

Details

The XYZ color **67.1990, 69.6422, 58.6157** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.4988, 61.9408, 85.9640**, and the grayscale version is **66.4013, 69.8594, 76.0768**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **35.2176, 36.2949, 28.8164** is the 20% darker color. If you saturate the color by 10%, you get **62.4443, 63.8873, 45.4551**, and if you desaturate by 10%, it is **72.5126, 75.8622, 73.9728**.

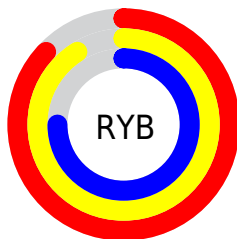
Distribution



Red (91%)

Green (84%)

Blue (75%)



Red (87%)

Yellow (91%)

Blue (75%)

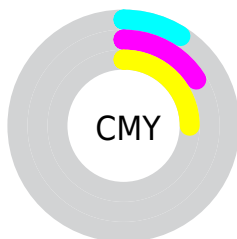


Cyan (0%)

Magenta (8%)

Yellow (18%)

Black (9%)



Cyan (9%)

Magenta (16%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1990, 69.6422, 58.6157 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 67.1990, 69.6422, 58.6157 by changing the saturation by 10% instead.

67.1990, 69.6422,
58.6157

67.1990, 69.6422,
58.6157

440.0741,
459.2927, 437.1384

49.5177, 51.2349,
41.8859

114.2537,
118.6984, 104.3425

35.2465, 36.3956,
28.6870

144.3578,
150.1160, 134.1766

24.0202, 24.7399,
18.6006

179.3336,
186.6392, 169.2159

15.4735, 15.8834,
11.2082

219.5463,
228.6524, 209.8788

9.2408, 9.4416,
6.0911

265.3613,
276.5400, 256.5840

4.9569, 5.0304,
2.8309

317.1441,

2.2565, 2.2651,

330.6863, 309.7500

1.0089

375.2599,
391.4757, 369.7953

0.7723, 0.7551,
0.0000

0.0000, 0.0000,
0.0000

67.1990, 69.6422,
58.6157

67.1990, 69.6422,
58.6157

62.4443, 63.8873,
45.4551

72.5126, 75.8622,
73.9728

58.2211, 58.5754,
34.3839

78.4001, 82.5502,
91.6177

54.5077, 53.6959,
25.2931

84.0832, 89.4011,
107.4322

51.2785, 49.2343,
18.0613

87.0995, 95.4337,
108.4377

■ 48.5056, 45.1750,
12.5539

■ 87.4145, 96.0638,
108.5427

■ 46.1570, 41.5006,
8.6181

■ 44.1958, 38.1916,
6.0733

■ 42.5695, 35.2221,
4.6583

■ 42.3370, 34.7888,
4.4835

Harmonies

Analogous

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



70.4128, 69.6422, 61.9974



67.1990, 69.6422, 58.6157



63.8223, 69.6422, 59.5241

Triad

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



67.1990, 69.6422, 58.6157



60.2237, 69.6422, 82.9098



71.4849, 69.6422, 88.2929

Complementary

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



67.1990, 69.6422, 58.6157



58.4988, 61.9408, 85.9640

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.



68.6213, 69.6422, 94.8675



67.1990, 69.6422, 58.6157



62.1449, 69.6422, 91.5774

Square

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



67.1990, 69.6422, 58.6157



59.8726, 69.6422, 72.9974



65.1967, 69.6422, 96.1188



72.9429, 69.6422, 78.7319

Rectangle

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



67.1990, 69.6422, 58.6157



61.9270, 69.6422, 62.4767



65.1967, 69.6422, 96.1188



70.6502, 69.6422, 90.9588

Sweetspot

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



67.2009, 69.6453, 58.6172



90.6749, 95.0359, 95.7693



63.4818, 58.7368, 68.0762



19.3096, 20.2287, 20.2060



0.0000, 0.0000, 0.0000



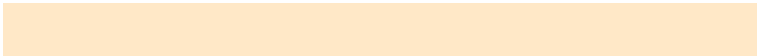
20.3446, 21.4041, 23.3091

Same Dimension

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



67.2009, 69.6453, 58.6172



80.2595, 82.8234, 65.7284



71.1098, 78.8413, 60.1861



15.7931, 16.5092, 15.8729



24.1480, 19.9902, 2.5858



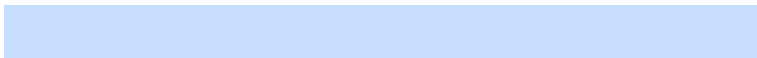
1.9909, 1.7591, 0.2346

Inverse Universe

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



58.4988, 61.9408, 85.9640



67.7984, 71.7919, 104.8916



55.0807, 54.0310, 84.6174



14.7492, 15.5848, 19.1531



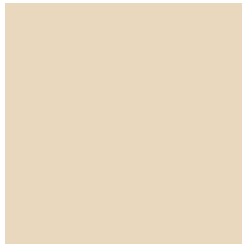
10.9142, 8.4754, 44.8036



0.9502, 0.8518, 3.5492

Previews

White Background



This preview shows how the XYZ color 67.1990, 69.6422, 58.6157 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 67.1990, 69.6422, 58.6157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

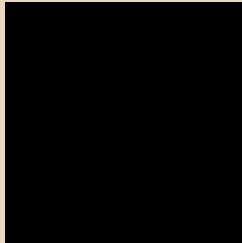
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.1990, 69.6422, 58.6157

Background



This preview shows how black text looks on a background with the XYZ color 67.1990, 69.6422, 58.6157.



This preview shows how white text looks on a background with the XYZ color 67.1990, 69.6422,

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

67.1990, 69.6422, 58.6157

Protanopia

65.8954, 69.7182, 59.2741

Deuteranopia

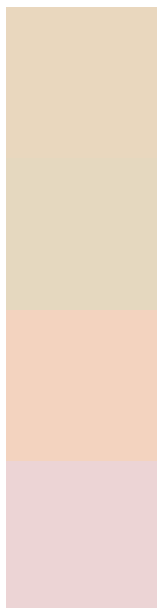
70.9158, 69.3190, 58.9324



Tritanopia

72.0340, 69.7613, 81.6202

Trichromacy



Original Color

67.1990, 69.6422, 58.6157

Protanomaly

66.2729, 69.5313, 59.2181

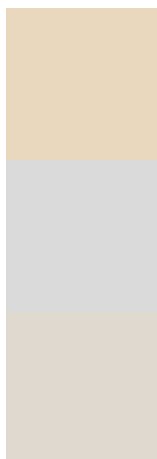
Deuteranomaly

69.6604, 69.4048, 59.0152

Tritanomaly

70.1458, 69.7239, 72.7118

Monochromacy



Original Color

67.1990, 69.6422, 58.6157

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.6294, 69.8678, 69.6486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1990, 69.6422, 58.6157 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, 215, 190)` looks like.

```
.text, #text, p{  
    color:rgb(233, 215, 190)  
}
```

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, 215, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 215, 190) }
```

Border

The CSS property to change the border of an element to XYZ 67.1990, 69.6422, 58.6157 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, 215, 190) }
```


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

```
.border{ border-color:rgb(233, 215, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 215, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 215, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 215, 190);  
box-shadow:4px 4px 4px 4px rgb(233, 215,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1990, 69.6422, 58.6157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 215, 190) }
```

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

```
.background{ background-color: rgb(233,  
215, 190) }
```

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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