

Converting Colors

XYZ(63.8241, 67.9871, 67.8220)

Have a look what the booklet for
XYZ(63.8241, 67.9871, 67.8220)
contains.

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Color

**XYZ(63.8942, 68.1184,
67.5382)**

Conversions

Conversions Part 1

Format	Color
Hex	D8D8CD
RGB	216, 216, 205
RGB Percent	85%, 85%, 80%
CMY	0.1529, 0.1529, 0.1961
CMYK	0.00, 0.00, 0.05, 0.15
HSL	60°, 12%, 83%
HSV	60°, 5%, 85%
XYZ	63.8942, 68.1184, 67.5382
YIQ	214.7460, 3.5310, -3.4210

Conversions

Conversions Part 2

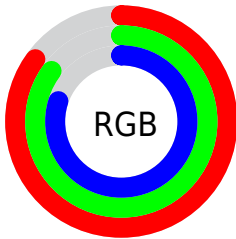
Format	Color
RYB	205, 216, 205
Decimal	14211277
CIELab	86.07, -1.93, 5.41
CIELCh	86, 5.744, 109.679
Yxy	68.1184, 0.3202, 0.3414
Android (android.graphics.Color)	4292401357 (0xFFD8D8CD)
YUV	214.7460, -4.8048, 1.0998
Hunter-Lab	82.5339, -6.2472, 9.2562

Details

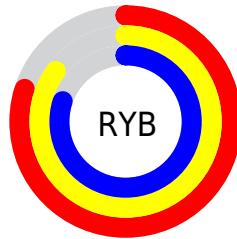
The XYZ color **63.8942, 68.1184, 67.5382** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.4054, 61.6015, 73.7285**, and the grayscale version is **64.4509, 67.8074, 73.8422**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.0287, 35.3012, 34.3512** is the 20% darker color. If you saturate the color by 10%, you get **61.4632, 67.1479, 54.7403**, and if you desaturate by 10%, it is **66.6890, 69.2388, 82.2350**.

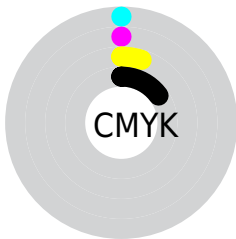
Distribution



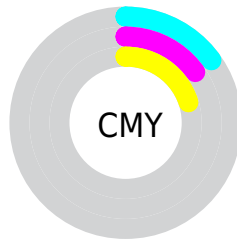
- Red (85%)
- Green (85%)
- Blue (80%)



- Red (80%)
- Yellow (85%)
- Blue (80%)



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (15%)



- Cyan (15%)
- Magenta (15%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8942, 68.1184, 67.5382 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 63.8942, 68.1184, 67.5382 by changing the saturation by 10% instead.

■ 63.8942, 68.1184,
67.5382

■ 63.8942, 68.1184,
67.5382

428.4158,
453.9154, 470.4116

■ 46.8263, 49.9941,
49.0578

109.5331,
116.5215, 117.3392

■ 33.1058, 35.4087,
34.2994

138.8349,
147.5691, 149.4969

■ 22.3671, 23.9779,
22.8445

172.9454,
183.6932, 187.0508

■ 14.2450, 15.3172,
14.2745

212.2300,
225.2782, 230.4194

■ 8.3741, 9.0423,
8.1709

257.0539,
272.7085, 280.0212

■ 4.3891, 4.7688,
4.1152

307.7826,

■ 1.9245, 2.1122,

326.3686, 336.2748

1.6887

364.7815,
386.6427, 399.5988

■ 0.5910, 0.6715,
0.3530

■ 0.0000, 0.0000,
0.0000

■ 63.8942, 68.1184,
67.5382

■ 63.8942, 68.1184,
67.5382

■ 61.4632, 67.1479,
54.7403

■ 66.6890, 69.2388,
82.2350

■ 59.3757, 66.3127,
43.7597

■ 69.8558, 70.5058,
98.8990

■ 57.6179, 65.6093,
34.5154

■ 70.9334, 70.9371,
104.5614

■ 56.1730, 65.0311,
26.9185

■ 70.9357, 70.9383,
104.5615

■ 55.0226, 64.5706,
20.8724

■ 70.9380, 70.9394,
104.5616

■ 54.1463, 64.2198,
16.2702

■ 70.9403, 70.9406,
104.5617

■ 53.5214, 63.9696,
12.9917

■ 70.9426, 70.9418,
104.5618

■ 53.1214, 63.8094,
10.8973

■ 70.9449, 70.9430,
104.5619

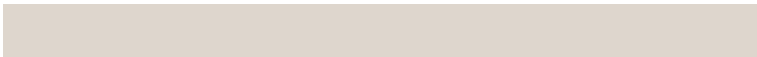
■ 52.9138, 63.7260,
9.8160

■ 70.9472, 70.9442,
104.5620

Harmonies

Analogous

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



65.2000, 68.1184, 67.2505



63.8942, 68.1184, 67.5382



62.8300, 68.1184, 69.5680

Triad

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



63.8942, 68.1184, 67.5382



63.1172, 68.1184, 79.8462



67.2718, 68.1184, 75.4784

Complementary

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



63.8942, 68.1184, 67.5382



59.4054, 61.6015, 73.7285

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.



66.6975, 68.1184, 78.9693



63.8942, 68.1184, 67.5382



64.2912, 68.1184, 81.5472

Square

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



63.8942, 68.1184, 67.5382



62.3857, 68.1184, 76.6423



65.6023, 68.1184, 81.2209



67.1620, 68.1184, 71.7502

Rectangle

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



63.8942, 68.1184, 67.5382



62.3952, 68.1184, 71.6754



65.6023, 68.1184, 81.2209



67.1521, 68.1184, 76.7205

Sweetspot

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



63.8961, 68.1214, 67.5397



94.2390, 99.6755, 104.6327



61.1718, 62.6710, 66.6312



20.1795, 21.3381, 22.4404



0.0000, 0.0000, 0.0000



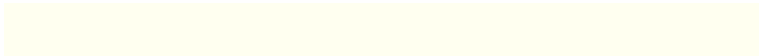
20.3446, 21.4041, 23.3091

Same Dimension

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



63.8961, 68.1214, 67.5397



92.6816, 99.0524, 96.4388



62.2987, 67.2979, 67.4649



13.6243, 14.5805, 14.0523



31.2831, 37.7034, 5.6287



1.8870, 2.2742, 0.3395

Inverse Universe

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



59.4054, 61.6015, 73.7285



84.9571, 87.8375, 107.0843



60.9489, 62.3972, 73.8008



12.3903, 12.7889, 15.7530



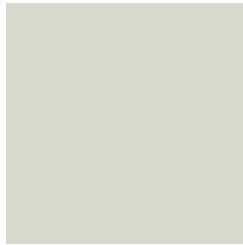
7.3372, 2.9350, 38.6329



0.4427, 0.1771, 2.3302

Previews

White Background



This preview shows how the XYZ color 63.8942, 68.1184, 67.5382 looks on a white background.

Color Contrast Check

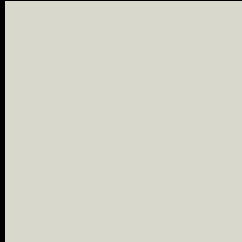
Large Text (above 18pt) WCAG AA × Fail

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 63.8942, 68.1184, 67.5382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

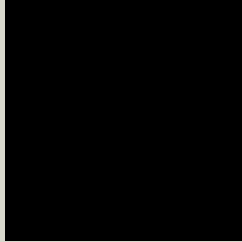
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

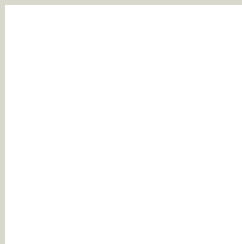
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8942, 68.1184, 67.5382

Background



This preview shows how black text looks on a background with the XYZ color 63.8942, 68.1184, 67.5382.



This preview shows how white text looks on a background with the XYZ color 63.8942, 68.1184,

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

63.8942, 68.1184, 67.5382

Protanopia

65.0699, 67.9824, 66.8191

Deuteranopia

69.4150, 67.9675, 68.4920



Tritanopia

67.2015, 67.9598, 83.7044

Trichromacy



Original Color

63.8942, 68.1184, 67.5382

Protanomaly

64.7147, 68.1762, 66.8752

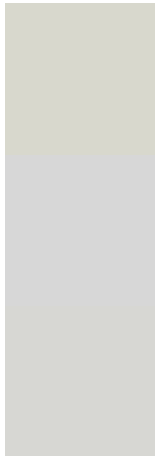
Deuteranomaly

67.3898, 68.0337, 67.9725

Tritanomaly

65.9259, 67.8159, 77.3252

Monochromacy



Original Color

63.8942, 68.1184, 67.5382

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.0826, 67.7511, 71.3278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8942, 68.1184, 67.5382 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, 216, 205) looks like.

```
.text, #text, p{  
    color:rgb(216, 216, 205)  
}
```

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, 216, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 216, 205) }
```

Border

The CSS property to change the border of an element to XYZ 63.8942, 68.1184, 67.5382 is called "border". The border property can be set on classes, ids or directly on the HTML element.

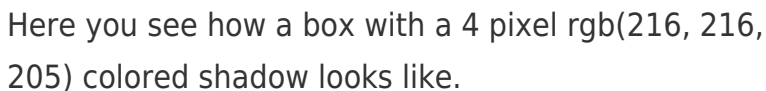
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 216, 205) }
```


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

```
.border{ border-color:rgb(216, 216, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 216, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 216, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 216, 205);  
box-shadow:4px 4px 4px 4px rgb(216, 216,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8942, 68.1184, 67.5382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 216, 205) }
```

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

```
.background{ background-color: rgb(216,  
216, 205) }
```

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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