

Converting Colors

XYZ(63.8357, 67.4012, 70.8373)

Have a look what the booklet for
XYZ(63.8357, 67.4012, 70.8373)
contains.

XYZ(63.7038, 67.1934, 70.5848)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.7038, 67.1934,
70.5848)**

Conversions

Conversions Part 1

Format	Color
Hex	D7D6D2
RGB	215, 214, 210
RGB Percent	84%, 84%, 82%
CMY	0.1569, 0.1608, 0.1765
CMYK	0.00, 0.00, 0.02, 0.16
HSL	48°, 6%, 83%
HSV	48°, 2%, 84%
XYZ	63.7038, 67.1934, 70.5848
YIQ	213.8430, 1.8800, -1.0320

Conversions

Conversions Part 2

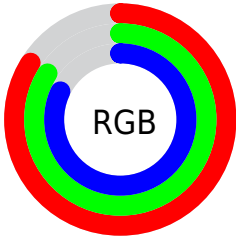
Format	Color
RYB	211, 215, 210
Decimal	14145234
CIELab	85.60, -0.37, 2.08
CIELCh	86, 2.114, 100.065
Yxy	67.1934, 0.3162, 0.3335
Android (android.graphics.Color)	4292335314 (0xFFD7D6D2)
YUV	213.8430, -1.8946, 1.0147
Hunter-Lab	81.9716, -4.7299, 6.3262

Details

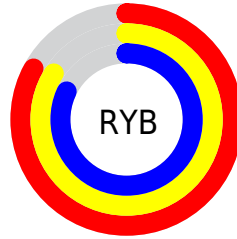
The XYZ color **63.7038, 67.1934, 70.5848** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.1384, 65.1956, 73.5999**, and the grayscale version is **63.8241, 67.1479, 73.1240**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.8961, 34.6702, 36.4107** is the 20% darker color. If you saturate the color by 10%, you get **60.1339, 64.0557, 57.0554**, and if you desaturate by 10%, it is **67.6659, 70.5379, 86.0221**.

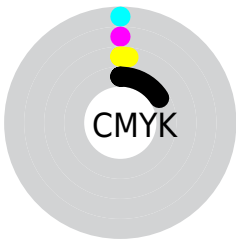
Distribution



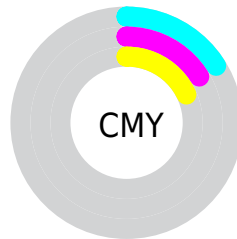
- Red (84%)
- Green (84%)
- Blue (82%)



- Red (83%)
- Yellow (84%)
- Blue (82%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (16%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7038, 67.1934, 70.5848 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 63.7038, 67.1934, 70.5848 by changing the saturation by 10% instead.

■ 63.7038, 67.1934,
70.5848

■ 63.7038, 67.1934,
70.5848

427.7384,
450.6329, 481.4452

■ 46.6716, 49.2418,
51.5237

109.2604,
115.1975, 121.7313

■ 32.9830, 34.8113,
36.2459

138.5154,
146.0188, 154.6537

■ 22.2726, 23.5176,
24.3330

172.5755,
181.8988, 193.0337

■ 14.1750, 14.9762,
15.3663

211.8060,
223.2218, 237.2897

■ 8.3250, 8.8027,
8.9274

256.5721,
270.3724, 287.8403

■ 4.3572, 4.6127,
4.5977

307.2393,

■ 1.9061, 2.0219,

323.7348, 345.1041

1.9586

364.1730,
383.6935, 409.4995

■ 0.5804, 0.6201,
0.5297

■ 0.0000, 0.0000,
0.0000

■ 63.7038, 67.1934,
70.5848

■ 63.7038, 67.1934,
70.5848

■ 60.1339, 64.0557,
57.0554

■ 67.6659, 70.5379,
86.0221

■ 56.9362, 61.1099,
45.3543

■ 72.0282, 74.0864,
103.4338

■ 54.0970, 58.3525,
35.4030

■ 73.5045, 76.5267,
105.5048

■ 51.5999, 55.7765,
27.1154

■ 74.6897, 78.8973,
105.8999

■ 49.4268, 53.3743,
20.3982

■ 75.9044, 81.3265,
106.3047

■ 47.5582, 51.1378,
15.1487

■ 77.1485, 83.8149,
106.7195

■ 45.9719, 49.0577,
11.2522

■ 78.4225, 86.3628,
107.1441

■ 44.6428, 47.1235,
8.5766

■ 79.7264, 88.9706,
107.5788

■ 43.5404, 45.3229,
6.9634

■ 81.0605, 91.6387,
108.0234

Harmonies

Analogous

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



64.1812, 67.1934, 70.7000



63.7038, 67.1934, 70.5848



63.2718, 67.1934, 71.1535

Triad

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



63.7038, 67.1934, 70.5848



63.1600, 67.1934, 74.8805



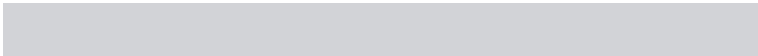
64.7388, 67.1934, 74.0691

Complementary

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



63.7038, 67.1934, 70.5848



62.1384, 65.1956, 73.5999

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.



64.4625, 67.1934, 75.2083



63.7038, 67.1934, 70.5848



63.5505, 67.1934, 75.6808

Square

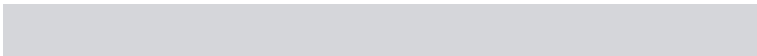
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.7038, 67.1934, 70.5848



62.9589, 67.1934, 73.6261



64.0271, 67.1934, 75.8016



64.7804, 67.1934, 72.7002

Rectangle

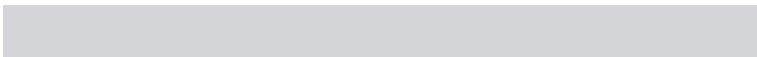
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.7038, 67.1934, 70.5848



63.0671, 67.1934, 71.8482



64.0271, 67.1934, 75.8016



64.6702, 67.1934, 74.4921

Sweetspot

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



63.7057, 67.1963, 70.5863



94.4802, 99.5131, 106.6981



62.8298, 65.2444, 70.9109



20.2287, 21.3050, 22.8610



0.0000, 0.0000, 0.0000



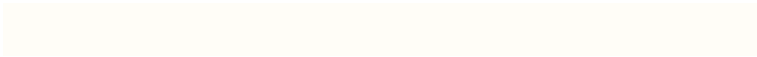
20.3446, 21.4041, 23.3091

Same Dimension

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



63.7057, 67.1963, 70.5863



93.3583, 98.5484, 102.3804



63.5201, 67.4761, 70.6500



13.6939, 14.4665, 14.8542



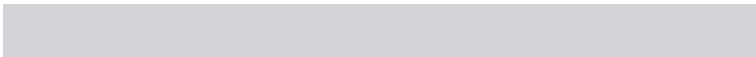
25.6807, 26.4787, 3.7574



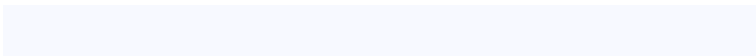
1.6036, 1.7064, 0.2449

Inverse Universe

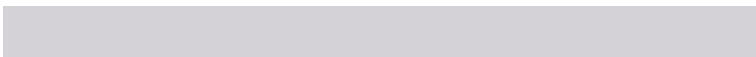
The Inverse Universe completely reimagines the original color for something new.



62.1384, 65.1956, 73.5999



90.3681, 94.7314, 108.1298



62.3207, 64.9233, 73.5377



13.1487, 13.7706, 15.9025



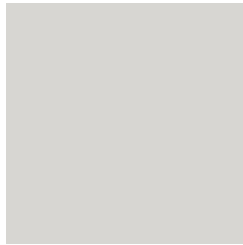
7.9095, 4.0809, 38.8240



0.5362, 0.3645, 2.3614

Previews

White Background



This preview shows how the XYZ color 63.7038, 67.1934, 70.5848 looks on a white background.

Color Contrast Check

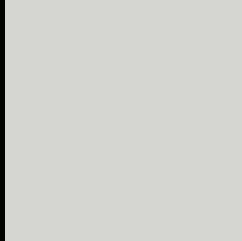
Large Text (above 18pt) WCAG AA × Fail

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 63.7038, 67.1934, 70.5848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

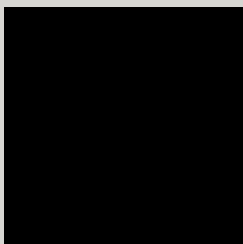
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

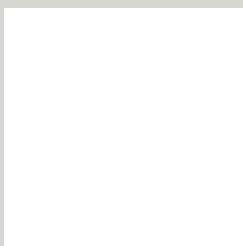
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7038, 67.1934, 70.5848

Background



This preview shows how black text looks on a background with the XYZ color 63.7038, 67.1934, 70.5848.

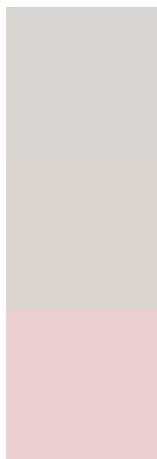


This preview shows how white text looks on a background with the XYZ color 63.7038, 67.1934,

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

63.7038, 67.1934, 70.5848

Protanopia

64.5163, 67.2520, 69.9022

Deuteranopia

68.3316, 66.9910, 70.9571



Tritanopia

66.2113, 67.0954, 82.8598

Trichromacy



Original Color

63.7038, 67.1934, 70.5848

Protanomaly

64.2163, 67.0974, 69.8881

Deuteranomaly

66.7994, 67.2903, 71.0956

Tritanomaly

65.2099, 67.0591, 77.9134

Monochromacy



Original Color

63.7038, 67.1934, 70.5848

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.7884, 67.1934, 72.5584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7038, 67.1934, 70.5848 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(215, 214, 210) looks like.

```
.text, #text, p{  
    color:rgb(215, 214, 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(215, 214, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 214, 210) }
```

Border

The CSS property to change the border of an element to XYZ 63.7038, 67.1934, 70.5848 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(215, 214, 210) }
```


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

```
.border{ border-color:rgb(215, 214, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 214, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 214, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 214, 210);  
box-shadow:4px 4px 4px 4px rgb(215, 214,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7038, 67.1934, 70.5848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 214, 210) }
```

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

```
.background{ background-color: rgb(215,  
214, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor