

Converting Colors

XYZ(63.6689, 67.1522, 71.8973)

Have a look what the booklet for
XYZ(63.6689, 67.1522, 71.8973)
contains.

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Color

**XYZ(63.6618, 67.1427,
71.8919)**

Conversions

Conversions Part 1

Format	Color
Hex	D6D6D4
RGB	214, 214, 212
RGB Percent	84%, 84%, 83%
CMY	0.1608, 0.1608, 0.1686
CMYK	0.00, 0.00, 0.01, 0.16
HSL	60°, 2%, 84%
HSV	60°, 1%, 84%
XYZ	63.6618, 67.1427, 71.8919
YIQ	213.7720, 0.6420, -0.6220

Conversions

Conversions Part 2

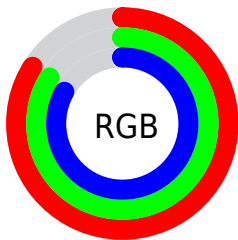
Format	Color
R _Y B	212, 214, 212
Decimal	14079700
CIE Lab	85.58, -0.36, 0.98
CIE LCh	86, 1.038, 110.019
Yxy	67.1427, 0.3141, 0.3312
Android (android.graphics.Color)	4292269780 (0xFFD6D6D4)
YUV	213.7720, -0.8736, 0.2000
Hunter-Lab	81.9406, -4.7149, 5.3395

Details

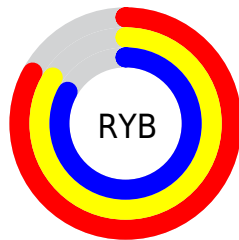
The XYZ color **63.6618, 67.1427, 71.8919** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.8350, 65.9409, 73.0378**, and the grayscale version is **63.7702, 67.0912, 73.0624**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.7820, 34.6015, 36.8493** is the 20% darker color. If you saturate the color by 10%, you get **61.1289, 66.1304, 58.6030**, and if you desaturate by 10%, it is **66.5564, 68.3039, 87.0684**.

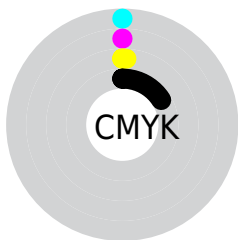
Distribution



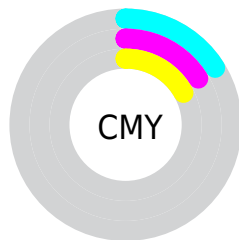
- Red (84%)
- Green (84%)
- Blue (83%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (16%)



- Cyan (16%)
- Magenta (16%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6618, 67.1427, 71.8919 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 63.6618, 67.1427, 71.8919 by changing the saturation by 10% instead.

■ 63.6618, 67.1427,
71.8919

■ 63.6618, 67.1427,
71.8919

427.5889,
450.4525, 486.1327

■ 46.6375, 49.2006,
52.5841

109.2002,
115.1249, 123.6091

■ 32.9559, 34.7786,
37.0854

138.4450,
145.9337, 156.8556

■ 22.2517, 23.4924,
24.9773

172.4939,
181.8003, 195.5854

■ 14.1596, 14.9575,
15.8413

211.7124,
223.1089, 240.2170

■ 8.3142, 8.7896,
9.2588

256.4658,
270.2441, 291.1690

■ 4.3501, 4.6042,
4.8112

307.1194,

■ 1.9021, 2.0170,

323.5902, 348.8599

2.0801

364.0387,
383.5315, 413.7083

■ 0.5780, 0.6173,
0.6039

■ 0.0000, 0.0000,
0.0000

■ 63.6618, 67.1427,
71.8919

■ 63.6618, 67.1427,
71.8919

■ 61.1289, 66.1304,
58.6030

■ 66.5564, 68.3039,
87.0684

■ 58.9381, 65.2528,
47.1236

■ 69.8201, 69.6107,
104.1975

■ 57.0762, 64.5068,
37.3769

■ 69.8629, 69.6291,
104.3653

■ 55.5275, 63.8860,
29.2787

■ 69.8740, 69.6348,
104.3658

■ 54.2745, 63.3835,
22.7380

■ 69.8850, 69.6405,
104.3664

■ 53.2983, 62.9918,
17.6548

■ 69.8960, 69.6462,
104.3669

■ 52.5777, 62.7023,
13.9176

■ 69.9071, 69.6519,
104.3674

■ 52.0884, 62.5053,
11.3987

■ 69.9181, 69.6576,
104.3679

■ 51.8017, 62.3893,
9.9461

■ 69.9292, 69.6633,
104.3684

Harmonies

Analogous

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



63.8959, 67.1427, 71.8337



63.6618, 67.1427, 71.8919



63.4698, 67.1427, 72.2746

Triad

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



63.6618, 67.1427, 71.8919



63.5258, 67.1427, 74.1080



64.2654, 67.1427, 73.3326

Complementary

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



63.6618, 67.1427, 71.8919



62.8350, 65.9409, 73.0378

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.



64.1657, 67.1427, 73.9458



63.6618, 67.1427, 71.8919



63.7385, 67.1427, 74.3953

Square

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



63.6618, 67.1427, 71.8919



63.3914, 67.1427, 73.5531



63.9727, 67.1427, 74.3357



64.2447, 67.1427, 72.6627

Rectangle

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



63.6618, 67.1427, 71.8919



63.3913, 67.1427, 72.6635



63.9727, 67.1427, 74.3357



64.2448, 67.1427, 73.5523

Sweetspot

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



63.6637, 67.1456, 71.8934

95.0500, 100.0000, 108.9000



63.1608, 66.1382, 71.7254



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

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



63.6637, 67.1456, 71.8934



94.6404, 99.8360, 106.7520



63.3732, 66.9959, 71.8798



13.9464, 14.7094, 15.7477



31.2310, 37.6765, 5.6262



1.8844, 2.2728, 0.3394

Inverse Universe

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



62.8350, 65.9409, 73.0378



93.3116, 97.9042, 108.5871



63.1237, 66.0897, 73.0513



13.7637, 14.4438, 16.0000



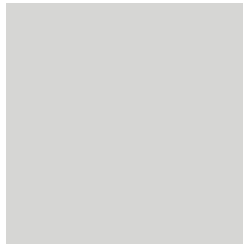
7.3402, 2.9365, 38.6331



0.4435, 0.1775, 2.3302

Previews

White Background



This preview shows how the XYZ color 63.6618, 67.1427, 71.8919 looks on a white background.

Color Contrast Check

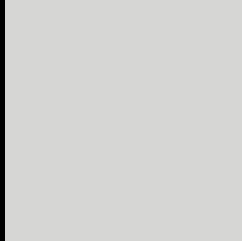
Large Text (above 18pt) WCAG AA × Fail

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 63.6618, 67.1427, 71.8919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

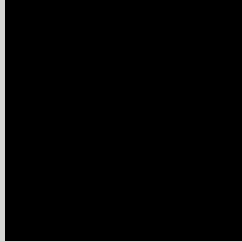
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

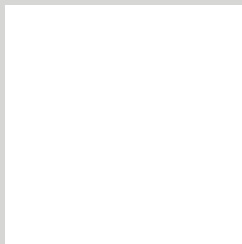
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.6618, 67.1427, 71.8919

Background



This preview shows how black text looks on a background with the XYZ color 63.6618, 67.1427, 71.8919.

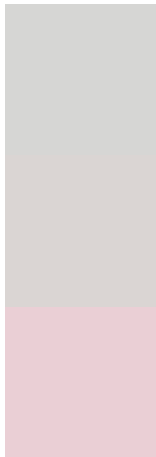


This preview shows how white text looks on a background with the XYZ color 63.6618, 67.1427,

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

63.6618, 67.1427, 71.8919

Protanopia

64.4656, 67.1971, 71.2006

Deuteranopia

68.2547, 66.9222, 72.2706



Tritanopia

65.8660, 67.2873, 82.9150

Trichromacy



Original Color

63.6618, 67.1427, 71.8919

Protanomaly

64.1674, 67.0434, 71.1867

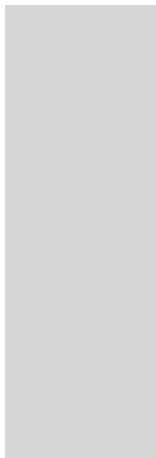
Deuteranomaly

66.7354, 67.2282, 72.4098

Tritanomaly

65.0034, 67.3095, 78.6732

Monochromacy



Original Color

63.6618, 67.1427, 71.8919

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 63.6618, 67.1427, 71.8919 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(214, 214, 212) looks like.

```
.text, #text, p{  
    color:rgb(214, 214, 212)  
}
```

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(214, 214, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 214, 212) }
```

Border

The CSS property to change the border of an element to XYZ 63.6618, 67.1427, 71.8919 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(214, 214, 212) }
```

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

```
.border{ border-color:rgb(214, 214, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 214, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 214, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 214, 212);  
box-shadow:4px 4px 4px 4px rgb(214, 214,  
212) }
```


Background

The CSS property to change the background color of an element to XYZ 63.6618, 67.1427, 71.8919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 214, 212) }
```

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

```
.background{ background-color: rgb(214,  
214, 212) }
```

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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