

Converting Colors

XYZ(63.6720, 66.8452, 68.5780)

Have a look what the booklet for
XYZ(63.6720, 66.8452, 68.5780)
contains.

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Color

**XYZ(63.6720, 66.8452,
68.5780)**

Conversions

Conversions Part 1

Format	Color
Hex	D9D5CF
RGB	217, 213, 207
RGB Percent	85%, 84%, 81%
CMY	0.1490, 0.1647, 0.1882
CMYK	0.00, 0.02, 0.05, 0.15
HSL	36°, 12%, 83%
HSV	36°, 5%, 85%
XYZ	63.6720, 66.8452, 68.5780
YIQ	213.5120, 4.3100, -1.0180

Conversions

Conversions Part 2

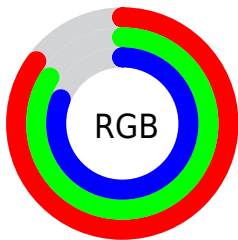
Format	Color
R _Y B	214, 217, 207
Decimal	14276047
CIE Lab	85.43, 0.32, 3.43
CIE LCh	85, 3.449, 84.752
Yxy	66.8452, 0.3198, 0.3357
Android (android.graphics.Color)	4292466127 (0xFFD9D5CF)
YUV	213.5120, -3.2104, 3.0590
Hunter-Lab	81.7589, -4.0663, 7.4998

Details

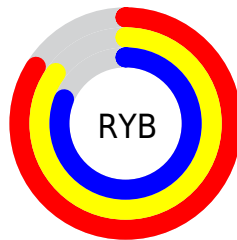
The XYZ color **63.6720, 66.8452, 68.5780** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.5507, 64.8627, 74.9222**, and the grayscale version is **63.6091, 66.9218, 72.8778**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.8769, 34.4350, 35.0508** is the 20% darker color. If you saturate the color by 10%, you get **59.0767, 61.6119, 54.8445**, and if you desaturate by 10%, it is **68.7524, 72.4634, 84.2737**.

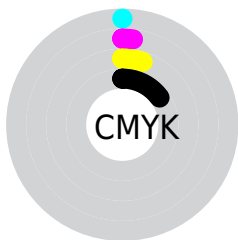
Distribution



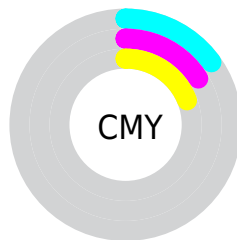
- Red (85%)
- Green (84%)
- Blue (81%)



- Red (84%)
- Yellow (85%)
- Blue (81%)



- Cyan (0%)
- Magenta (2%)
- Yellow (5%)
- Black (15%)



- Cyan (15%)
- Magenta (16%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6720, 66.8452, 68.5780 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 63.6720, 66.8452, 68.5780 by changing the saturation by 10% instead.

■ 63.6720, 66.8452,
68.5780

■ 63.6720, 66.8452,
68.5780

427.6252,
449.3936, 474.1947

■ 46.6458, 48.9588,
49.8985

109.2148,
114.6986, 118.8407

■ 32.9625, 34.5868,
34.9621

138.4621,
145.4344, 151.2609

■ 22.2568, 23.3448,
23.3504

172.5137,
181.2221, 189.0984

■ 14.1634, 14.8483,
14.6447

211.7351,
222.4462, 232.7718

■ 8.3168, 8.7130,
8.4266

256.4916,
269.4909, 282.6996

■ 4.3519, 4.5545,
4.2774

307.1486,

■ 1.9031, 1.9883,

322.7408, 339.3003

1.7787

364.0713,
382.5802, 402.9925

■ 0.5786, 0.6007,
0.4139

■ 0.0000, 0.0000,
0.0000

■ 63.6720, 66.8452,
68.5780

■ 63.6720, 66.8452,
68.5780

■ 59.0767, 61.6119,
54.8445

■ 68.7524, 72.4634,
84.2737

■ 54.9443, 56.7454,
42.9905

■ 74.3279, 78.4670,
102.0013

■ 51.2590, 52.2386,
32.9337

■ 77.5380, 83.7166,
106.6800

■ 48.0019, 48.0807,
24.5839

■ 80.1383, 88.9172,
107.5467

■ 45.1527, 44.2607,
17.8430

■ 82.4256, 93.4919,
108.3092

■ 42.6888, 40.7662,
12.6031

■ 40.5853, 37.5841,
8.7425

■ 38.8135, 34.6994,
6.1204

■ 37.3387, 32.0948,
4.5652

Harmonies

Analogous

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



64.4062, 66.8452, 69.3222



63.6720, 66.8452, 68.5780



62.9068, 66.8452, 68.9416

Triad

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



63.6720, 66.8452, 68.5780



62.1785, 66.8452, 74.6012



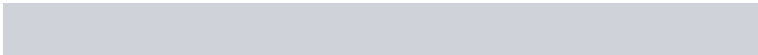
64.7704, 66.8452, 75.2970

Complementary

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



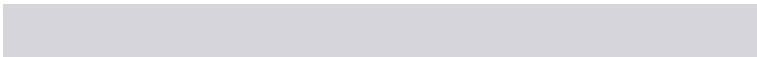
63.6720, 66.8452, 68.5780



61.5507, 64.8627, 74.9222

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.



64.1661, 66.8452, 76.7647



63.6720, 66.8452, 68.5780



62.6704, 66.8452, 76.3572

Square

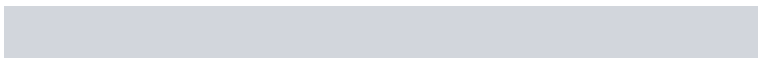
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.6720, 66.8452, 68.5780



62.0486, 66.8452, 72.3899



63.3969, 66.8452, 77.1566



65.0437, 66.8452, 73.1777

Rectangle

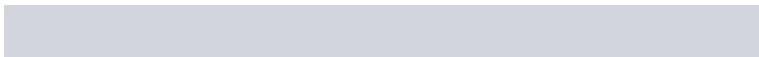
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.6720, 66.8452, 68.5780



62.4815, 66.8452, 69.7672



63.3969, 66.8452, 77.1566



64.5990, 66.8452, 75.8846

Sweetspot

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



63.6739, 66.8481, 68.5794



94.3179, 99.1884, 106.6440



62.6869, 64.0815, 70.6939



20.1956, 21.2390, 22.8500



0.0000, 0.0000, 0.0000



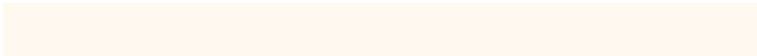
20.3446, 21.4041, 23.3091

Same Dimension

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



63.6739, 66.8481, 68.5794



90.7641, 95.2143, 95.7990



64.3951, 68.7305, 68.9048



13.9983, 14.6800, 14.6595



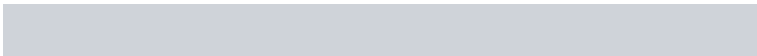
22.2833, 18.8522, 2.4644



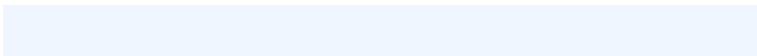
1.5271, 1.3882, 0.1875

Inverse Universe

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



61.5507, 64.8627, 74.9222



86.7826, 91.4913, 107.6934



60.8506, 63.0463, 74.6085



13.3279, 14.0531, 16.6622



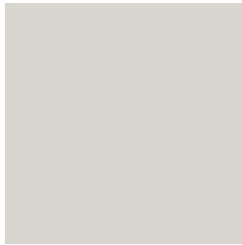
9.7277, 7.3249, 40.6395



0.7131, 0.6403, 2.6604

Previews

White Background



This preview shows how the XYZ color 63.6720, 66.8452, 68.5780 looks on a white background.

Color Contrast Check

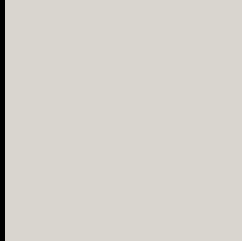
Large Text (above 18pt) WCAG AA × Fail

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 63.6720, 66.8452, 68.5780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

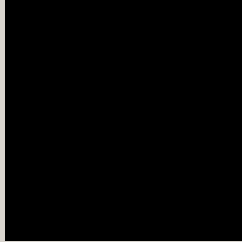
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.6720, 66.8452, 68.5780

Background



This preview shows how black text looks on a background with the XYZ color 63.6720, 66.8452, 68.5780.

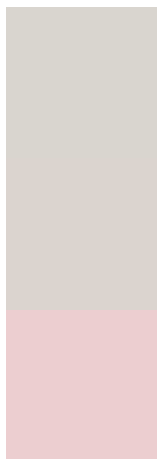


This preview shows how white text looks on a background with the XYZ color 63.6720, 66.8452,

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

63.6720, 66.8452, 68.5780

Protanopia

64.0194, 66.6520, 68.5224

Deuteranopia

68.0485, 66.5295, 68.9295



Tritanopia

66.4269, 66.8549, 82.0763

Trichromacy



Original Color

63.6720, 66.8452, 68.5780

Protanomaly

63.7194, 66.4974, 68.5084

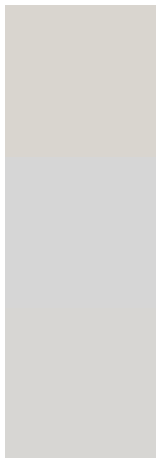
Deuteranomaly

66.4987, 66.8130, 69.0658

Tritanomaly

65.4260, 66.8159, 77.1586

Monochromacy



Original Color

63.6720, 66.8452, 68.5780

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.8288, 67.2434, 71.2431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6720, 66.8452, 68.5780 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(217, 213, 207) looks like.

```
.text, #text, p{  
    color:rgb(217, 213, 207)  
}
```

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(217, 213, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 213, 207) }
```

Border

The CSS property to change the border of an element to XYZ 63.6720, 66.8452, 68.5780 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(217, 213, 207) }
```


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

```
.border{ border-color:rgb(217, 213, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 213, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 213, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 213, 207);  
box-shadow:4px 4px 4px 4px rgb(217, 213,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6720, 66.8452, 68.5780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 213, 207) }
```

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

```
.background{ background-color: rgb(217,  
213, 207) }
```

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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