

Converting Colors

XYZ(63.3298, 66.9013, 66.5419)

Have a look what the booklet for
XYZ(63.3298, 66.9013, 66.5419)
contains.

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Color

**XYZ(63.5609, 67.2045,
66.7485)**

Conversions

Conversions Part 1

Format	Color
Hex	D9D6CC
RGB	217, 214, 204
RGB Percent	85%, 84%, 80%
CMY	0.1490, 0.1608, 0.2000
CMYK	0.00, 0.01, 0.06, 0.15
HSL	46°, 15%, 83%
HSV	46°, 6%, 85%
XYZ	63.5609, 67.2045, 66.7485
YIQ	213.7570, 4.9980, -2.4740

Conversions

Conversions Part 2

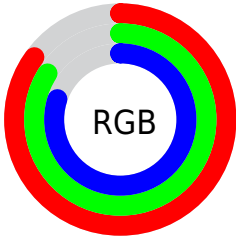
Format	Color
RYB	208, 217, 204
Decimal	14276300
CIELab	85.61, -0.72, 5.29
CIELCh	86, 5.335, 97.768
Yxy	67.2045, 0.3218, 0.3403
Android (android.graphics.Color)	4292466380 (0xFFD9D6CC)
YUV	213.7570, -4.8102, 2.8441
Hunter-Lab	81.9784, -5.0643, 9.1097

Details

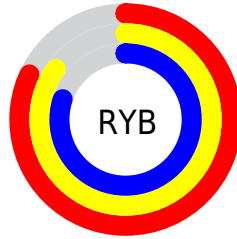
The XYZ color **63.5609, 67.2045, 66.7485** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **59.7389, 62.4717, 74.5560**, and the grayscale version is **63.7837, 67.1054, 73.0778**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.8034, 34.6797, 33.8191** is the 20% darker color. If you saturate the color by 10%, you get **59.8919, 63.7450, 53.5669**, and if you desaturate by 10%, it is **67.6352, 70.8927, 81.8560**.

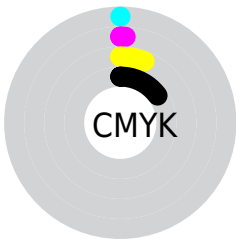
Distribution



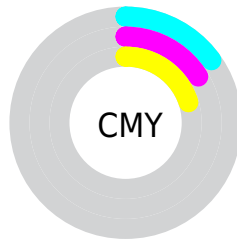
- Red (85%)
- Green (84%)
- Blue (80%)



- Red (82%)
- Yellow (85%)
- Blue (80%)



- Cyan (0%)
- Magenta (1%)
- Yellow (6%)
- Black (15%)



- Cyan (15%)
- Magenta (16%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5609, 67.2045, 66.7485 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 63.5609, 67.2045, 66.7485 by changing the saturation by 10% instead.

■ 63.5609, 67.2045,
66.7485

■ 63.5609, 67.2045,
66.7485

427.2296,
450.6723, 467.5261

■ 46.5555, 49.2508,
48.4200

109.0556,
115.2134, 116.1972

■ 32.8908, 34.8185,
33.7972

138.2756,
146.0374, 148.1544

■ 22.2017, 23.5231,
22.4618

172.2978,
181.9203, 185.4916

■ 14.1226, 14.9802,
13.9950

211.4876,
223.2466, 228.6273

■ 8.2883, 8.8055,
7.9785

256.2103,
270.4005, 277.9801

■ 4.3333, 4.6145,
3.9936

306.8313,

■ 1.8924, 2.0229,

323.7665, 333.9685

1.6218

363.7160,
383.7290, 397.0110

■ 0.5724, 0.6207,
0.3063

■ 0.0000, 0.0000,
0.0000

■ 63.5609, 67.2045,
66.7485

■ 63.5609, 67.2045,
66.7485

■ 59.8919, 63.7450,
53.5669

■ 67.6352, 70.8927,
81.8560

■ 56.6073, 60.4987,
42.2281

■ 72.1236, 74.8070,
98.9590

■ 53.6928, 57.4615,
32.6496

■ 74.6869, 78.0145,
105.7296

■ 51.1307, 54.6257,
24.7407

■ 76.0907, 80.8221,
106.1976

■ 48.9020, 51.9833,
18.4026

■ 77.5346, 83.7099,
106.6789

■ 46.9857, 49.5252,
13.5264

■ 79.0191, 86.6788,
107.1737

■ 45.3579, 47.2412,
9.9886

■ 80.5443, 89.7294,
107.6821

■ 43.9911, 45.1198,
7.6457

■ 82.1108, 92.8622,
108.2042

■ 42.8511, 43.1467,
6.3195

■ 82.4256, 93.4919,
108.3092

Harmonies

Analogous

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



64.7631, 67.2045, 67.1591



63.5609, 67.2045, 66.7485



62.4569, 67.2045, 68.0160

Triad

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



63.5609, 67.2045, 66.7485



62.0484, 67.2045, 77.3454



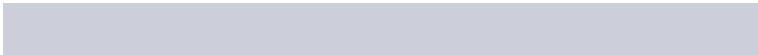
66.0610, 67.2045, 75.7329

Complementary

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



63.5609, 67.2045, 66.7485



59.7389, 62.4717, 74.5560

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.



65.3162, 67.2045, 78.5870



63.5609, 67.2045, 66.7485



62.9968, 67.2045, 79.5383

Square

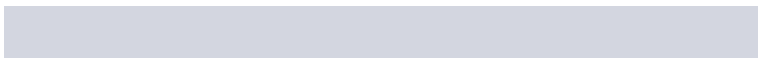
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.5609, 67.2045, 66.7485



61.5909, 67.2045, 74.0815



64.1919, 67.2045, 79.9998



66.2167, 67.2045, 72.2745

Rectangle

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



63.5609, 67.2045, 66.7485



61.9217, 67.2045, 69.6664



64.1919, 67.2045, 79.9998



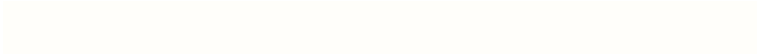
65.8708, 67.2045, 76.7979

Sweetspot

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



63.5628, 67.2074, 66.7500



93.8659, 98.9283, 104.5081



61.4755, 62.4450, 67.8668



20.1036, 21.1860, 22.4150



0.0000, 0.0000, 0.0000



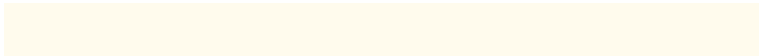
20.3446, 21.4041, 23.3091

Same Dimension

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



63.5628, 67.2074, 66.7500



91.0097, 96.3067, 94.0280



63.3083, 68.2121, 66.9573



14.0534, 14.8767, 14.4114



25.7702, 25.8260, 3.6267



1.7328, 1.7997, 0.2560

Inverse Universe

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



59.7389, 62.4717, 74.5560



84.5585, 88.3170, 107.1979



59.9809, 61.5292, 74.3613



12.9889, 13.5583, 16.5846



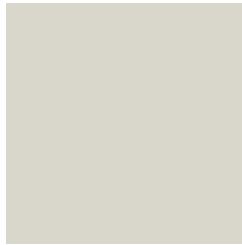
8.3390, 4.5475, 40.1766



0.6061, 0.4262, 2.6248

Previews

White Background



This preview shows how the XYZ color 63.5609, 67.2045, 66.7485 looks on a white background.

Color Contrast Check

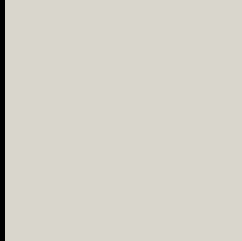
Large Text (above 18pt) WCAG AA × Fail

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 63.5609, 67.2045, 66.7485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

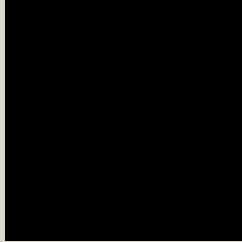
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

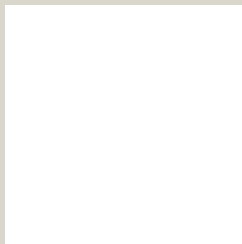
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.5609, 67.2045, 66.7485

Background



This preview shows how black text looks on a background with the XYZ color 63.5609, 67.2045, 66.7485.

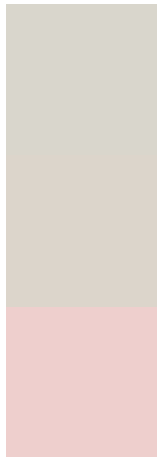


This preview shows how white text looks on a background with the XYZ color 63.5609, 67.2045,

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

63.5609, 67.2045, 66.7485

Protanopia

64.0889, 67.1159, 66.0767

Deuteranopia

68.5922, 67.2106, 67.1153



Tritanopia

66.6746, 67.3502, 82.1588

Trichromacy



Original Color

63.5609, 67.2045, 66.7485

Protanomaly

63.7872, 66.9604, 66.0626

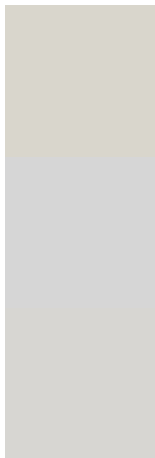
Deuteranomaly

66.6992, 67.3240, 67.2370

Tritanomaly

65.5431, 67.2615, 76.5461

Monochromacy



Original Color

63.5609, 67.2045, 66.7485

Achromatopsia

63.9157, 67.2443, 73.2291

Achromatomaly

63.7038, 67.1934, 70.5848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5609, 67.2045, 66.7485 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, 214, 204) looks like.

```
.text, #text, p{  
    color:rgb(217, 214, 204)  
}
```

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, 214, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 214, 204) }
```

Border

The CSS property to change the border of an element to XYZ 63.5609, 67.2045, 66.7485 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, 214, 204) }
```


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

```
.border{ border-color:rgb(217, 214, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 214, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 214, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 214, 204);  
box-shadow:4px 4px 4px 4px rgb(217, 214,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5609, 67.2045, 66.7485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 214, 204) }
```

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

```
.background{ background-color: rgb(217,  
214, 204) }
```

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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