

Converting Colors

XYZ(63.8692, 68.0272, 66.5292)

Have a look what the booklet for
XYZ(63.8692, 68.0272, 66.5292)
contains.

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Color

**XYZ(63.9506, 68.1752,
66.2885)**

Conversions

Conversions Part 1

Format	Color
Hex	D9D8CB
RGB	217, 216, 203
RGB Percent	85%, 85%, 80%
CMY	0.1490, 0.1529, 0.2039
CMYK	0.00, 0.00, 0.06, 0.15
HSL	56°, 16%, 82%
HSV	56°, 6%, 85%
XYZ	63.9506, 68.1752, 66.2885
YIQ	214.8170, 4.7690, -3.8310

Conversions

Conversions Part 2

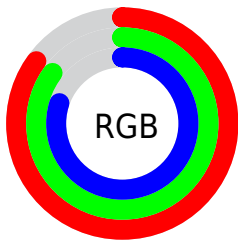
Format	Color
R_YB	204, 217, 203
Decimal	14276811
CIE Lab	86.09, -1.93, 6.52
CIE LCh	86, 6.796, 106.480
Yxy	68.1752, 0.3223, 0.3436
Android (android.graphics.Color)	4292466891 (0xFFD9D8CB)
YUV	214.8170, -5.8258, 1.9145
Hunter-Lab	82.5683, -6.2431, 10.1978

Details

The XYZ color **63.9506, 68.1752, 66.2885** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **58.7458, 60.8911, 74.3033**, and the grayscale version is **64.5050, 67.8643, 73.9042**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.0700, 35.3410, 33.5123** is the 20% darker color. If you saturate the color by 10%, you get **61.1506, 66.4276, 53.4773**, and if you desaturate by 10%, it is **67.1201, 70.0810, 81.0104**.

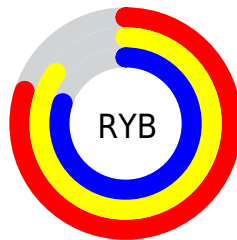
Distribution



Red (85%)

Green (85%)

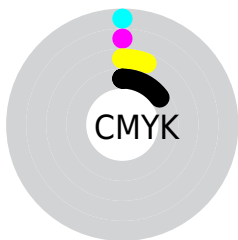
Blue (80%)



Red (80%)

Yellow (85%)

Blue (80%)

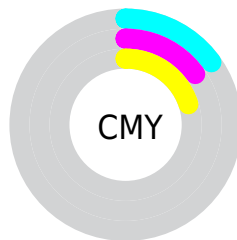


Cyan (0%)

Magenta (0%)

Yellow (6%)

Black (15%)



Cyan (15%)

Magenta (15%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9506, 68.1752, 66.2885 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 63.9506, 68.1752, 66.2885 by changing the saturation by 10% instead.

■ 63.9506, 68.1752,
66.2885

■ 63.9506, 68.1752,
66.2885

428.6163,
454.1165, 465.8403

■ 46.8722, 50.0403,
48.0487

109.6139,
116.6027, 115.5313

■ 33.1422, 35.4454,
33.5052

138.9296,
147.6642, 147.3713

■ 22.3951, 24.0062,
22.2394

173.0550,
183.8032, 184.5818

■ 14.2657, 15.3382,
13.8329

212.3555,
225.4042, 227.5813

■ 8.3887, 9.0571,
7.8671

257.1966,
272.8517, 276.7883

■ 4.3985, 4.7784,
3.9235

307.9435,

■ 1.9300, 2.1179,

326.5300, 332.6215

1.5835

364.9616,
386.8234, 395.4993

■ 0.5942, 0.6746,
0.2790

■ 0.0000, 0.0000,
0.0000

■ 63.9506, 68.1752,
66.2885

■ 63.9506, 68.1752,
66.2885

■ 61.1506, 66.4276,
53.4773

■ 67.1201, 70.0810,
81.0104

■ 58.6996, 64.8233,
42.4935

■ 70.6676, 72.1417,
97.7127

■ 56.5833, 63.3587,
33.2545

■ 72.4261, 73.4928,
104.9760

■ 54.7845, 62.0272,
25.6694

■ 72.8346, 74.3100,
105.1122

■ 53.2845, 60.8209,
19.6392

■ 73.2470, 75.1346,
105.2496

■ 52.0623, 59.7317,
15.0542

■ 73.6630, 75.9668,
105.3883

■ 51.0945, 58.7501,
11.7906

■ 74.0829, 76.8065,
105.5283

■ 50.3536, 57.8650,
9.7037

■ 74.5066, 77.6538,
105.6695

■ 49.8047, 57.0626,
8.6103

■ 74.9340, 78.5087,
105.8120

Harmonies

Analogous

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



65.5028, 68.1752, 66.1819



63.9506, 68.1752, 66.2885



62.6459, 68.1752, 68.4670

Triad

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



63.9506, 68.1752, 66.2885



62.7532, 68.1752, 80.6416



67.7613, 68.1752, 76.2593

Complementary

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



63.9506, 68.1752, 66.2885



58.7458, 60.8911, 74.3033

Split Complementary

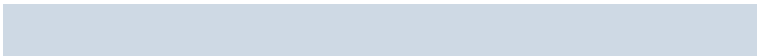
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.9998, 68.1752, 80.3101



63.9506, 68.1752, 66.2885



64.0992, 68.1752, 82.9080

Square

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



63.9506, 68.1752, 66.2885



61.9623, 68.1752, 76.6970



65.6538, 68.1752, 82.7843



67.7199, 68.1752, 71.8189

Rectangle

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



63.9506, 68.1752, 66.2885



62.0847, 68.1752, 70.8529



65.6538, 68.1752, 82.7843



67.5902, 68.1752, 77.7152

Sweetspot

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



63.9525, 68.1782, 66.2900



94.1240, 99.4446, 104.5941



60.8912, 61.8322, 65.9581



20.1561, 21.2911, 22.4325



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.



63.9525, 68.1782, 66.2900



91.4765, 97.8327, 92.3569



62.5049, 67.8118, 66.2956



14.0788, 15.0970, 13.8976



30.0784, 34.4425, 5.0628



1.9729, 2.2798, 0.3361

Inverse Universe

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



58.7458, 60.8911, 74.3033



82.1892, 84.8345, 106.6506



60.1286, 61.2537, 74.3004



12.4127, 12.7652, 16.4618



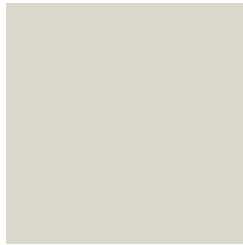
7.7172, 3.3038, 39.9694



0.5266, 0.2673, 2.5983

Previews

White Background



This preview shows how the XYZ color 63.9506, 68.1752, 66.2885 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 63.9506, 68.1752, 66.2885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

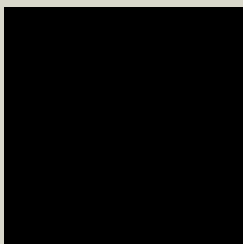
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

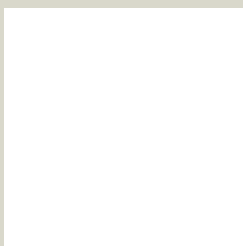
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9506, 68.1752, 66.2885

Background



This preview shows how black text looks on a background with the XYZ color 63.9506, 68.1752, 66.2885.



This preview shows how white text looks on a background with the XYZ color 63.9506, 68.1752,

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

63.9506, 68.1752, 66.2885

Protanopia

64.8314, 67.8870, 65.5636

Deuteranopia

69.5105, 68.0448, 67.2280



Tritanopia

67.5051, 68.1163, 83.7186

Trichromacy



Original Color

63.9506, 68.1752, 66.2885

Protanomaly

64.4763, 68.0808, 65.6198

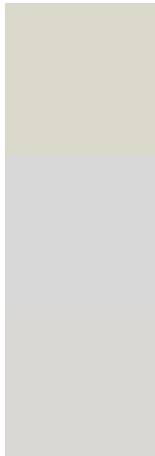
Deuteranomaly

67.4721, 68.1040, 66.7160

Tritanomaly

66.2277, 67.9715, 77.3394

Monochromacy



Original Color

63.9506, 68.1752, 66.2885

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.3772, 67.9030, 71.3416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9506, 68.1752, 66.2885 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, 216, 203) looks like.

```
.text, #text, p{  
    color:rgb(217, 216, 203)  
}
```

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, 216, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 216, 203) }
```

Border

The CSS property to change the border of an element to XYZ 63.9506, 68.1752, 66.2885 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, 216, 203) }
```


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

```
.border{ border-color:rgb(217, 216, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 216, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 216, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 216, 203);  
box-shadow:4px 4px 4px 4px rgb(217, 216,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9506, 68.1752, 66.2885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 216, 203) }
```

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

```
.background{ background-color: rgb(217,  
216, 203) }
```

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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