

Converting Colors

XYZ(63.7102, 66.0016, 66.5035)

Have a look what the booklet for
XYZ(63.7102, 66.0016, 66.5035)
contains.

XYZ(63.7085, 66.1638, 66.5398)	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(63.7085, 66.1638,
66.5398)**

Conversions

Conversions Part 1

Format	Color
Hex	DCD3CC
RGB	220, 211, 204
RGB Percent	86%, 83%, 80%
CMY	0.1373, 0.1725, 0.2000
CMYK	0.00, 0.04, 0.07, 0.14
HSL	26°, 19%, 83%
HSV	26°, 7%, 86%
XYZ	63.7085, 66.1638, 66.5398
YIQ	212.8930, 7.6110, -0.2690

Conversions

Conversions Part 2

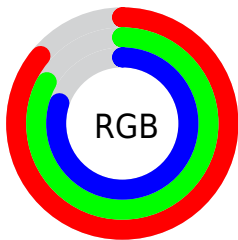
Format	Color
RYB	220, 216, 204
Decimal	14472140
CIELab	85.08, 1.89, 4.55
CIELCh	85, 4.931, 67.465
Yxy	66.1638, 0.3244, 0.3369
Android (android.graphics.Color)	4292662220 (0xFFD3D3CC)
YUV	212.8930, -4.3842, 6.2328
Hunter-Lab	81.3411, -2.5411, 8.4376

Details

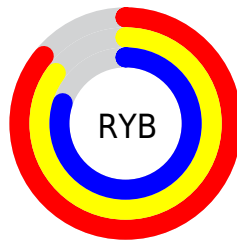
The XYZ color **63.7085, 66.1638, 66.5398** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.6141, 65.5919, 77.1239**, and the grayscale version is **63.2007, 66.4920, 72.4098**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.0790, 34.3153, 33.7342** is the 20% darker color. If you saturate the color by 10%, you get **58.2989, 59.2728, 52.6248**, and if you desaturate by 10%, it is **69.7311, 73.6827, 82.4996**.

Distribution



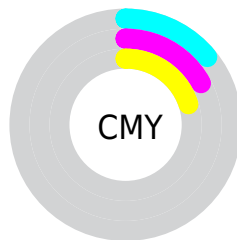
- Red (86%)
- Green (83%)
- Blue (80%)



- Red (86%)
- Yellow (85%)
- Blue (80%)



- Cyan (0%)
- Magenta (4%)
- Yellow (7%)
- Black (14%)



- Cyan (14%)
- Magenta (17%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.7085, 66.1638, 66.5398 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 63.7085, 66.1638, 66.5398 by changing the saturation by 10% instead.

■ 63.7085, 66.1638,
66.5398

■ 63.7085, 66.1638,
66.5398

427.7551,
446.9625, 466.7617

■ 46.6754, 48.4054,
48.2515

109.2671,
113.7214, 115.8951

■ 32.9860, 34.1480,
33.6647

138.5233,
144.2894, 147.7992

■ 22.2749, 23.0073,
22.3608

172.5847,
179.8960, 185.0790

■ 14.1768, 14.5989,
13.9214

211.8164,
220.9256, 228.1529

■ 8.3262, 8.5384,
7.9279

256.5840,
267.7627, 277.4397

■ 4.3580, 4.4413,
3.9617

307.2528,

■ 1.9066, 1.9234,

320.7916, 333.3577

1.6044

364.1880,
380.3967, 396.3255

■ 0.5807, 0.5624,
0.2939

■ 0.0000, 0.0000,
0.0000

■ 63.7085, 66.1638,
66.5398

■ 63.7085, 66.1638,
66.5398

■ 58.2989, 59.2728,
52.6248

■ 69.7311, 73.6827,
82.4996

■ 53.4759, 52.9842,
40.6668

■ 76.3808, 81.8369,
100.5787

■ 49.2192, 47.2832,
30.5777

■ 81.1678, 89.6404,
107.6321

■ 45.5052, 42.1514,
22.2610

■ 83.3255, 93.9558,
108.3513

■ 42.3084, 37.5690,
15.6116

■ 39.6009, 33.5151,
10.5129

■ 37.3516, 29.9668,
6.8332

■ 35.5248, 26.8991,
4.4183

■ 34.0750, 24.2822,
3.0633

Harmonies

Analogous

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



64.5966, 66.1638, 68.3855



63.7085, 66.1638, 66.5398



62.6097, 66.1638, 66.1469

Triad

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



63.7085, 66.1638, 66.5398



60.7935, 66.1638, 72.8384



64.1943, 66.1638, 77.0042

Complementary

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



63.7085, 66.1638, 66.5398



61.6141, 65.5919, 77.1239

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.



63.1645, 66.1638, 78.2755



63.7085, 66.1638, 66.5398



61.2073, 66.1638, 75.8248

Square

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



63.7085, 66.1638, 66.5398



60.9353, 66.1638, 69.7231



62.0720, 66.1638, 77.8376



64.8794, 66.1638, 74.4100

Rectangle

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



63.7085, 66.1638, 66.5398



61.9072, 66.1638, 66.7508



62.0720, 66.1638, 77.8376



63.8765, 66.1638, 77.6038

Sweetspot

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



63.7103, 66.1667, 66.5412



93.3317, 97.8600, 104.3300



63.1276, 63.2098, 71.8695



19.9949, 20.9686, 22.3788



0.0000, 0.0000, 0.0000



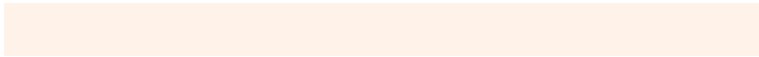
20.3446, 21.4041, 23.3091

Same Dimension

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



63.7103, 66.1667, 66.5412



87.5935, 90.6508, 89.2619



65.7291, 70.2042, 67.2142



13.5227, 13.9847, 13.7122



19.9002, 14.0860, 1.6700



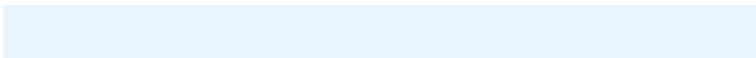
1.3740, 1.0821, 0.1365

Inverse Universe

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



61.6141, 65.5919, 77.1239



83.9833, 89.6608, 107.4876



59.6683, 61.7002, 76.4753



12.9430, 13.8257, 16.6386



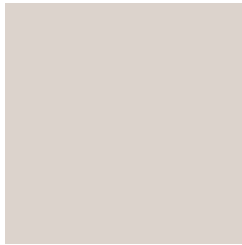
11.9020, 11.6734, 41.3643



0.8563, 0.9267, 2.7082

Previews

White Background



This preview shows how the XYZ color 63.7085, 66.1638, 66.5398 looks on a white background.

Color Contrast Check

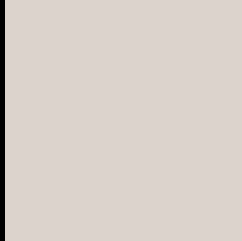
Large Text (above 18pt) WCAG AA × Fail

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 63.7085, 66.1638, 66.5398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

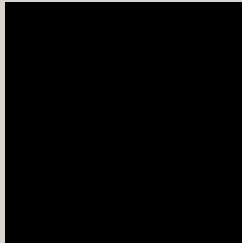
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

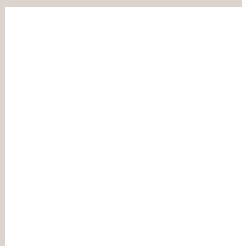
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7085, 66.1638, 66.5398

Background



This preview shows how black text looks on a background with the XYZ color 63.7085, 66.1638, 66.5398.

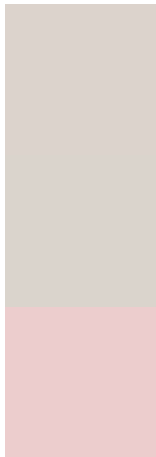


This preview shows how white text looks on a background with the XYZ color 63.7085, 66.1638,

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

63.7085, 66.1638, 66.5398

Protanopia

63.3560, 66.3520, 66.5947

Deuteranopia

67.4428, 65.9033, 66.9236



Tritanopia

66.4418, 66.1815, 79.7935

Trichromacy



Original Color

63.7085, 66.1638, 66.5398

Protanomaly

63.6560, 66.5067, 66.6088

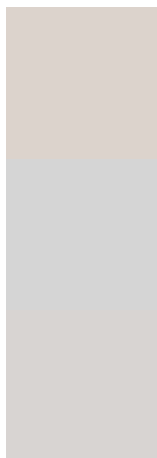
Deuteranomaly

65.9654, 65.8564, 66.9924

Tritanomaly

65.4491, 66.1403, 74.9625

Monochromacy



Original Color

63.7085, 66.1638, 66.5398

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

63.4952, 66.3390, 70.4309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7085, 66.1638, 66.5398 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(220, 211, 204) looks like.

```
.text, #text, p{  
    color:rgb(220, 211, 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(220, 211, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 211, 204) }
```

Border

The CSS property to change the border of an element to XYZ 63.7085, 66.1638, 66.5398 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(220, 211, 204) }
```


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

```
.border{ border-color:rgb(220, 211, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 211, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 211, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 211, 204);  
box-shadow:4px 4px 4px 4px rgb(220, 211,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7085, 66.1638, 66.5398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 211, 204) }
```

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

```
.background{ background-color: rgb(220,  
211, 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](#).

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