

Converting Colors

XYZ(64.3749, 67.8458, 66.8304)

Have a look what the booklet for
XYZ(64.3749, 67.8458, 66.8304)
contains.

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Color

**XYZ(64.4129, 68.0206,
66.8611)**

Conversions

Conversions Part 1

Format	Color
Hex	DBD7CC
RGB	219, 215, 204
RGB Percent	86%, 84%, 80%
CMY	0.1412, 0.1568, 0.2000
CMYK	0.00, 0.02, 0.07, 0.14
HSL	44°, 17%, 83%
HSV	44°, 7%, 86%
XYZ	64.4129, 68.0206, 66.8611
YIQ	214.9420, 5.9150, -2.5730

Conversions

Conversions Part 2

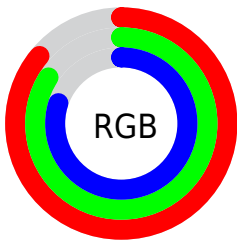
Format	Color
RYB	209, 219, 204
Decimal	14407628
CIELab	86.02, -0.54, 5.90
CIELCh	86, 5.921, 95.249
Yxy	68.0206, 0.3232, 0.3413
Android (android.graphics.Color)	4292597708 (0xFFDBD7CC)
YUV	214.9420, -5.3944, 3.5589
Hunter-Lab	82.4746, -4.9215, 9.6666

Details

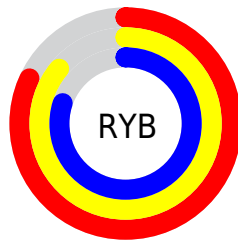
The XYZ color **64.4129, 68.0206, 66.8611** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.2437, 63.0624, 76.0155**, and the grayscale version is **64.5862, 67.9497, 73.9973**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.3857, 35.2361, 33.8958** is the 20% darker color. If you saturate the color by 10%, you get **60.5103, 64.1271, 53.4995**, and if you desaturate by 10%, it is **68.7416, 72.1738, 82.1886**.

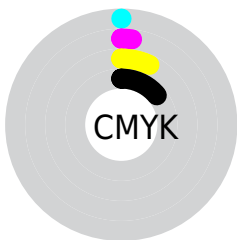
Distribution



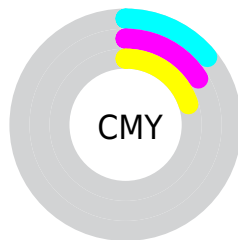
- Red (86%)
- Green (84%)
- Blue (80%)



- Red (82%)
- Yellow (86%)
- Blue (80%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)
- Black (14%)



- Cyan (14%)
- Magenta (16%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4129, 68.0206, 66.8611 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 64.4129, 68.0206, 66.8611 by changing the saturation by 10% instead.

■ 64.4129, 68.0206,
66.8611

■ 64.4129, 68.0206,
66.8611

430.2578,
453.5690, 467.9382

■ 47.2481, 49.9145,
48.5109

110.2758,
116.3816, 116.3601

■ 33.4406, 35.3455,
33.8688

139.7046,
147.4053, 148.3460

■ 22.6250, 23.9291,
22.5163

173.9521,
183.5037, 185.7141

■ 14.4361, 15.2810,
14.0348

213.3837,
225.0611, 228.8831

■ 8.5083, 9.0169,
8.0058

258.3647,
272.4619, 278.2715

■ 4.4764, 4.7522,
4.0109

309.2605,

■ 1.9750, 2.1026,

326.0906, 334.2978

1.6313

366.4364,
386.3315, 397.3805

■ 0.6199, 0.6661,
0.3130

■ 0.0000, 0.0000,
0.0000

■ 64.4129, 68.0206,
66.8611

■ 64.4129, 68.0206,
66.8611

■ 60.5103, 64.1271,
53.4995

■ 68.7416, 72.1738,
82.1886

■ 57.0124, 60.4771,
42.0185

■ 73.5059, 76.5845,
99.5539

■ 53.9040, 57.0659,
32.3331

■ 76.2631, 80.2790,
106.0836

■ 51.1669, 53.8854,
24.3498

■ 77.9373, 83.6275,
106.6417

■ 48.7812, 50.9266,
17.9667

■ 79.6667, 87.0862,
107.2182

■ 46.7251, 48.1799,
13.0712

■ 81.4516, 90.6560,
107.8131

■ 44.9735, 45.6344,
9.5355

■ 83.0237, 93.8002,
108.3372

■ 43.4978, 43.2775,
7.2103

■ 42.2605, 41.0934,
5.9026

Harmonies

Analogous

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



65.7512, 68.0206, 67.4755



64.4129, 68.0206, 66.8611



63.1559, 68.0206, 68.1207

Triad

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



64.4129, 68.0206, 66.8611



62.5420, 68.0206, 78.4642



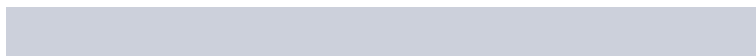
67.0525, 68.0206, 77.2390

Complementary

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



64.4129, 68.0206, 66.8611



60.2437, 63.0624, 76.0155

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.



66.1706, 68.0206, 80.3410



64.4129, 68.0206, 66.8611



63.5642, 68.0206, 81.0656

Square

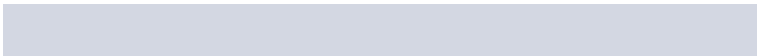
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.4129, 68.0206, 66.8611



62.0854, 68.0206, 74.7493



64.8908, 68.0206, 81.7641



67.2874, 68.0206, 73.3807

Rectangle

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



64.4129, 68.0206, 66.8611



62.5292, 68.0206, 69.8804



64.8908, 68.0206, 81.7641



66.8213, 68.0206, 78.4089

Sweetspot

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



64.4148, 68.0236, 66.8626



93.8078, 98.8121, 104.4887



62.1923, 62.8008, 68.5193



20.0918, 21.1624, 22.4111



0.0000, 0.0000, 0.0000



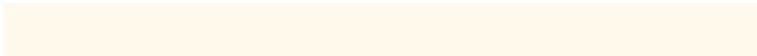
20.3446, 21.4041, 23.3091

Same Dimension

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



64.4148, 68.0236, 66.8626



90.2285, 95.3368, 91.9409



64.4027, 69.5463, 67.1571



13.8535, 14.6464, 13.8225



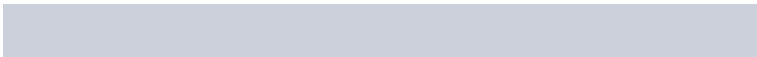
24.9387, 24.1631, 3.3495



1.6849, 1.7040, 0.2401

Inverse Universe

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



60.2437, 63.0624, 76.0155



83.3491, 87.1544, 107.0373



60.2520, 61.6387, 75.7403



12.6194, 13.1786, 16.5307



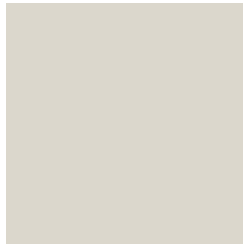
8.5660, 5.0015, 40.2523



0.6254, 0.4649, 2.6312

Previews

White Background



This preview shows how the XYZ color 64.4129, 68.0206, 66.8611 looks on a white background.

Color Contrast Check

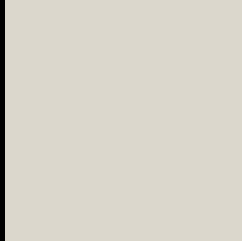
Large Text (above 18pt) WCAG AA × Fail

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 64.4129, 68.0206, 66.8611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

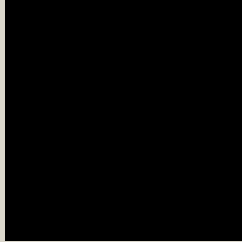
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.4129, 68.0206, 66.8611

Background



This preview shows how black text looks on a background with the XYZ color 64.4129, 68.0206, 66.8611.

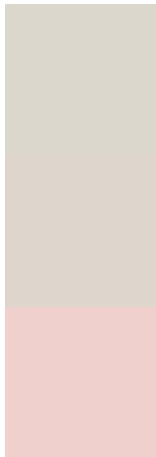


This preview shows how white text looks on a background with the XYZ color 64.4129, 68.0206,

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

64.4129, 68.0206, 66.8611

Protanopia

65.0699, 67.9824, 66.8191

Deuteranopia

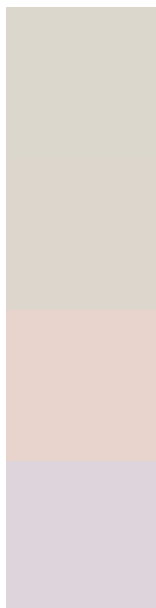
69.1719, 67.8703, 67.2121



Tritanopia

67.7293, 67.8779, 82.9308

Trichromacy



Original Color

64.4129, 68.0206, 66.8611

Protanomaly

64.7644, 67.8249, 66.8048

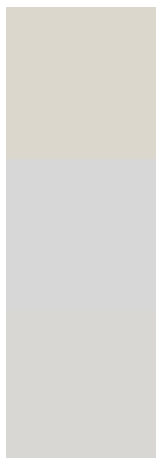
Deuteranomaly

67.5924, 68.1521, 67.3498

Tritanomaly

66.4539, 67.7310, 76.5887

Monochromacy



Original Color

64.4129, 68.0206, 66.8611

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 64.4129, 68.0206, 66.8611 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(219, 215, 204) looks like.

```
.text, #text, p{  
    color:rgb(219, 215, 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(219, 215, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 215, 204) }
```

Border

The CSS property to change the border of an element to XYZ 64.4129, 68.0206, 66.8611 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(219, 215, 204) }
```


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

```
.border{ border-color:rgb(219, 215, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 215, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 215, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 215, 204);  
box-shadow:4px 4px 4px 4px rgb(219, 215,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4129, 68.0206, 66.8611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 215, 204) }
```

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

```
.background{ background-color: rgb(219,  
215, 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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