

Converting Colors

XYZ(64.7539, 69.5716, 70.0807)

Have a look what the booklet for
XYZ(64.7539, 69.5716, 70.0807)
contains.

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Color

**XYZ(64.8645, 69.7136,
70.3589)**

Conversions

Conversions Part 1

Format	Color
Hex	D7DBD1
RGB	215, 219, 209
RGB Percent	84%, 86%, 82%
CMY	0.1569, 0.1412, 0.1804
CMYK	0.02, 0.00, 0.05, 0.14
HSL	84°, 12%, 84%
HSV	84°, 5%, 86%
XYZ	64.8645, 69.7136, 70.3589
YIQ	216.6640, 0.8260, -3.9580

Conversions

Conversions Part 2

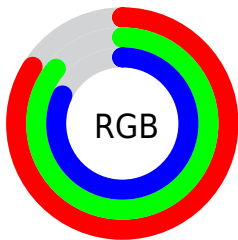
Format	Color
R _Y B	209, 219, 213
Decimal	14146513
CIE Lab	86.86, -3.14, 4.43
CIE LCh	87, 5.428, 125.296
Yxy	69.7136, 0.3165, 0.3402
Android (android.graphics.Color)	4292336593 (0xFFD7DBD1)
YUV	216.6640, -3.7784, -1.4593
Hunter-Lab	83.4947, -7.4444, 8.4840

Details

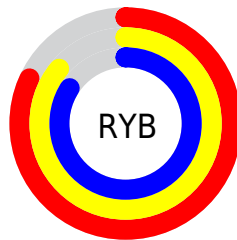
The XYZ color **64.8645, 69.7136, 70.3589** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.0299, 64.8634, 76.2194**, and the grayscale version is **65.7497, 69.1738, 75.3303**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6891, 36.3911, 36.2589** is the 20% darker color. If you saturate the color by 10%, you get **59.8325, 67.4136, 56.9290**, and if you desaturate by 10%, it is **70.4111, 72.2399, 85.7614**.

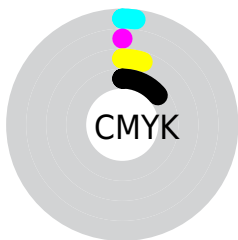
Distribution



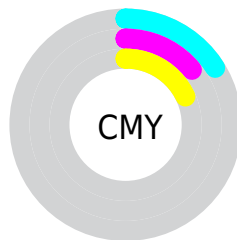
- Red (84%)
- Green (86%)
- Blue (82%)



- Red (82%)
- Yellow (86%)
- Blue (84%)



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)
- Black (14%)



- Cyan (16%)
- Magenta (14%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8645, 69.7136, 70.3589 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 64.8645, 69.7136, 70.3589 by changing the saturation by 10% instead.

■ 64.8645, 69.7136,
70.3589

■ 64.8645, 69.7136,
70.3589

431.8578,
459.5438, 480.6323

■ 47.6155, 51.2931,
51.3406

110.9218,
118.8002, 121.4063

■ 33.7325, 36.4419,
36.1011

140.4609,
150.2351, 154.2725

■ 22.8501, 24.7757,
24.2220

174.8273,
186.7770, 192.5918

■ 14.6029, 15.9100,
15.2846

214.3865,
228.8101, 236.7826

■ 8.6257, 9.4605,
8.8706

259.5038,
276.7190, 287.2635

■ 4.5530, 5.0427,
4.5612

310.5445,

■ 2.0195, 2.2724,

330.8879, 344.4530

1.9380

367.8741,
391.7014, 408.7698

■ 0.6449, 0.7590,
0.5167

■ 0.0000, 0.0000,
0.0000

■ 64.8645, 69.7136,
70.3589

■ 64.8645, 69.7136,
70.3589

■ 59.8325, 67.4136,
56.9290

■ 70.4111, 72.2399,
85.7614

■ 55.2920, 65.3236,
45.3876

■ 76.4829, 74.9901,
103.2072

■ 51.2266, 63.4392,
35.6509

■ 79.7604, 76.6391,
105.1967

■ 47.6168, 61.7521,
27.6275

■ 82.8301, 78.2216,
105.3404

■ 44.4414, 60.2537,
21.2176

■ 84.6229, 79.1458,
105.4243

■ 41.6770, 58.9343,
16.3113

■ 39.2978, 57.7834,
12.7848

■ 37.2741, 56.7887,
10.4949

■ 35.5700, 55.9357,
9.2664

Harmonies

Analogous

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



66.0363, 69.7136, 69.1759



64.8645, 69.7136, 70.3589



64.0744, 69.7136, 73.0307

Triad

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



64.8645, 69.7136, 70.3589



65.2489, 69.7136, 82.4155



68.7135, 69.7136, 75.2647

Complementary

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



64.8645, 69.7136, 70.3589



63.0299, 64.8634, 76.2194

Split Complementary

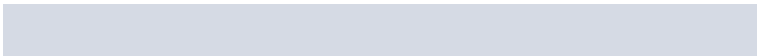
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.4962, 69.7136, 78.8564



64.8645, 69.7136, 70.3589



66.4856, 69.7136, 83.0596

Square

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



64.8645, 69.7136, 70.3589



64.2943, 69.7136, 80.0049



67.6768, 69.7136, 81.7378



68.2668, 69.7136, 71.9501

Rectangle

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



64.8645, 69.7136, 70.3589



63.8648, 69.7136, 75.3362



67.6768, 69.7136, 81.7378



68.7157, 69.7136, 76.4792

Sweetspot

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



64.8664, 69.7166, 70.3604



94.2676, 99.6438, 106.7345



64.5188, 67.2544, 69.9035



20.1854, 21.3316, 22.8684



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.



64.8664, 69.7166, 70.3604



91.2120, 98.2508, 98.3583



63.4206, 68.9712, 70.2928



14.0554, 15.1840, 15.0407



20.7290, 32.9837, 5.2740



1.4392, 2.1865, 0.3462

Inverse Universe

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



63.0299, 64.8634, 76.2194



88.3590, 90.7116, 107.4598



64.5026, 65.6226, 76.2883



13.5615, 13.8789, 16.6163



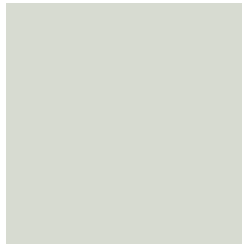
10.0645, 4.3126, 40.0404



0.7476, 0.3287, 2.5985

Previews

White Background



This preview shows how the XYZ color 64.8645, 69.7136, 70.3589 looks on a white background.

Color Contrast Check

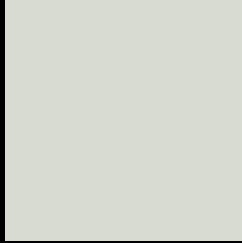
Large Text (above 18pt) WCAG AA × Fail

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 64.8645, 69.7136, 70.3589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

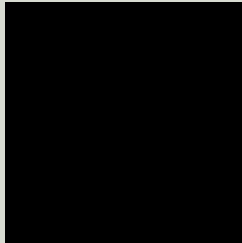
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

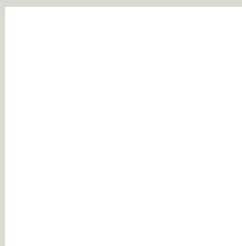
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8645, 69.7136, 70.3589

Background



This preview shows how black text looks on a background with the XYZ color 64.8645, 69.7136, 70.3589.

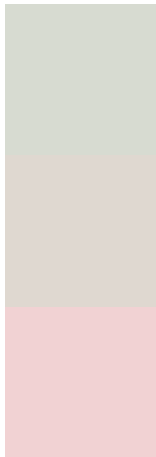


This preview shows how white text looks on a background with the XYZ color 64.8645, 69.7136,

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

64.8645, 69.7136, 70.3589

Protanopia

66.3725, 69.3538, 69.5629

Deuteranopia

71.0801, 69.4971, 71.2960



Tritanopia

68.0793, 69.4871, 86.1681

Trichromacy



Original Color

64.8645, 69.7136, 70.3589

Protanomaly

65.7132, 69.3954, 69.6057

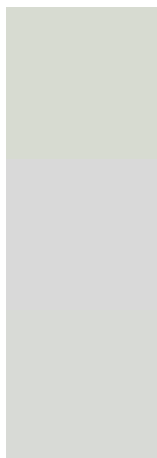
Deuteranomaly

68.7058, 69.3974, 70.7466

Tritanomaly

66.9239, 69.3990, 80.3891

Monochromacy



Original Color

64.8645, 69.7136, 70.3589

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.5279, 69.5968, 73.5982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8645, 69.7136, 70.3589 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(215, 219, 209) looks like.

```
.text, #text, p{  
    color:rgb(215, 219, 209)  
}
```

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(215, 219, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 219, 209) }
```

Border

The CSS property to change the border of an element to XYZ 64.8645, 69.7136, 70.3589 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(215, 219, 209) }
```


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

```
.border{ border-color:rgb(215, 219, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 219, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 219, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 219, 209);  
box-shadow:4px 4px 4px 4px rgb(215, 219,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8645, 69.7136, 70.3589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 219, 209) }
```

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

```
.background{ background-color: rgb(215,  
219, 209) }
```

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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