

Converting Colors

XYZ(64.6815, 68.7668, 69.5904)

Have a look what the booklet for
XYZ(64.6815, 68.7668, 69.5904)
contains.

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Color

**XYZ(64.8133, 68.9315,
69.5636)**

Conversions

Conversions Part 1

Format	Color
Hex	D9D9D0
RGB	217, 217, 208
RGB Percent	85%, 85%, 82%
CMY	0.1490, 0.1490, 0.1843
CMYK	0.00, 0.00, 0.04, 0.15
HSL	60°, 11%, 83%
HSV	60°, 4%, 85%
XYZ	64.8133, 68.9315, 69.5636
YIQ	215.9740, 2.8890, -2.7990

Conversions

Conversions Part 2

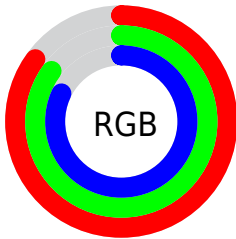
Format	Color
R _Y B	208, 217, 208
Decimal	14277072
CIE Lab	86.47, -1.59, 4.42
CIE LCh	86, 4.695, 109.767
Yxy	68.9315, 0.3188, 0.3390
Android (android.graphics.Color)	4292467152 (0xFFD9D9D0)
YUV	215.9740, -3.9312, 0.8998
Hunter-Lab	83.0250, -5.9481, 8.4406

Details

The XYZ color **64.8133, 68.9315, 69.5636** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.0954, 63.5333, 74.6923**, and the grayscale version is **65.2787, 68.6783, 74.7907**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6534, 35.8551, 35.7189** is the 20% darker color. If you saturate the color by 10%, you get **62.3219, 67.9368, 56.4508**, and if you desaturate by 10%, it is **67.6739, 70.0783, 84.6034**.

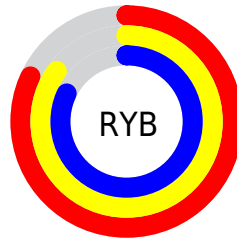
Distribution



Red (85%)

Green (85%)

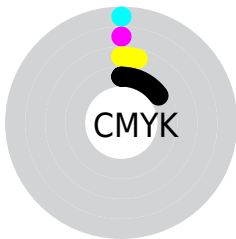
Blue (82%)



Red (82%)

Yellow (85%)

Blue (82%)

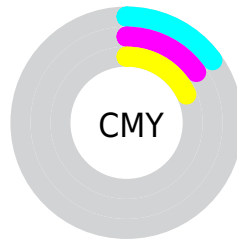


Cyan (0%)

Magenta (0%)

Yellow (4%)

Black (15%)



Cyan (15%)

Magenta (15%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8133, 68.9315, 69.5636 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 64.8133, 68.9315, 69.5636 by changing the saturation by 10% instead.

■ 64.8133, 68.9315,
69.5636

■ 64.8133, 68.9315,
69.5636

431.6766,
456.7893, 477.7639

■ 47.5738, 50.6559,
50.6962

110.8486,
117.6837, 120.2615

■ 33.6994, 35.9349,
35.5919

140.3752,
148.9292, 152.9291

■ 22.8245, 24.3839,
23.8320

174.7281,
185.2667, 191.0338

■ 14.5840, 15.6186,
14.9980

214.2729,
227.0807, 234.9943

■ 8.6123, 9.2547,
8.6714

259.3747,
274.7556, 285.2290

■ 4.5443, 4.9077,
4.4336

310.3990,

■ 2.0144, 2.1932,

328.6757, 342.1565

1.8661

367.7112,
389.2255, 406.1952

■ 0.6420, 0.7163,
0.4710

■ 0.0000, 0.0000,
0.0000

■ 64.8133, 68.9315,
69.5636

■ 64.8133, 68.9315,
69.5636

■ 62.3219, 67.9368,
56.4508

■ 67.6739, 70.0783,
84.6034

■ 60.1793, 67.0794,
45.1828

■ 70.9118, 71.3738,
101.6390

■ 58.3715, 66.3560,
35.6784

■ 71.4886, 71.6048,
104.6610

■ 56.8817, 65.7597,
27.8483

■ 71.4915, 71.6063,
104.6611

■ 55.6914, 65.2833,
21.5955

■ 71.4944, 71.6078,
104.6613

■ 54.7804, 64.9185,
16.8132

■ 71.4973, 71.6093,
104.6614

■ 54.1257, 64.6563,
13.3811

■ 71.5002, 71.6108,
104.6615

■ 53.7011, 64.4862,
11.1603

■ 71.5031, 71.6123,
104.6617

■ 53.4744, 64.3951,
9.9817

■ 71.5060, 71.6138,
104.6618

Harmonies

Analogous

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



65.8892, 68.9315, 69.3192



64.8133, 68.9315, 69.5636



63.9353, 68.9315, 71.2561

Triad

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



64.8133, 68.9315, 69.5636



64.1772, 68.9315, 79.7158



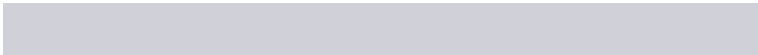
67.5949, 68.9315, 76.1226

Complementary

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



64.8133, 68.9315, 69.5636



61.0954, 63.5333, 74.6923

Split Complementary

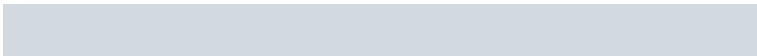
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.1252, 68.9315, 78.9860



64.8133, 68.9315, 69.5636



65.1469, 68.9315, 81.0981

Square

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



64.8133, 68.9315, 69.5636



63.5708, 68.9315, 77.0965



66.2264, 68.9315, 80.8274



67.5031, 68.9315, 73.0493

Rectangle

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



64.8133, 68.9315, 69.5636



63.5765, 68.9315, 73.0044



66.2264, 68.9315, 80.8274



67.4972, 68.9315, 77.1430

Sweetspot

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



64.8152, 68.9345, 69.5651



94.6417, 99.8366, 106.7520



62.5585, 64.4192, 68.8125



20.2615, 21.3709, 22.8720



0.0000, 0.0000, 0.0000



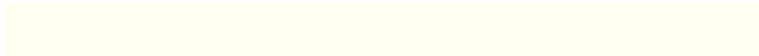
20.3446, 21.4041, 23.3091

Same Dimension

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



64.8152, 68.9345, 69.5651



93.0625, 99.2047, 98.4449



63.4963, 68.2546, 69.5034



14.3766, 15.3496, 15.0557



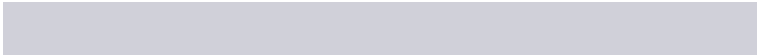
32.3252, 38.9618, 5.8167



2.0944, 2.5242, 0.3768

Inverse Universe

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



61.0954, 63.5333, 74.6923



86.5824, 89.7957, 107.3767



62.3781, 64.1945, 74.7524



13.2548, 13.7207, 16.6019



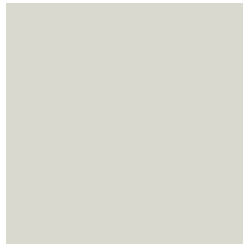
7.5826, 3.0331, 39.9242



0.4914, 0.1966, 2.5865

Previews

White Background



This preview shows how the XYZ color 64.8133, 68.9315, 69.5636 looks on a white background.

Color Contrast Check

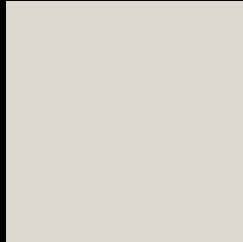
Large Text (above 18pt) WCAG AA × Fail

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 64.8133, 68.9315, 69.5636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

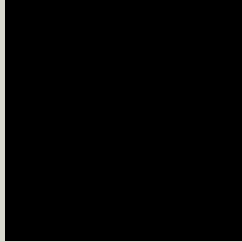
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

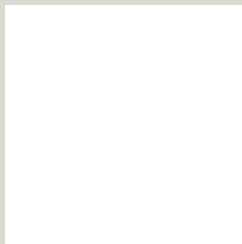
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8133, 68.9315, 69.5636

Background



This preview shows how black text looks on a background with the XYZ color 64.8133, 68.9315, 69.5636.

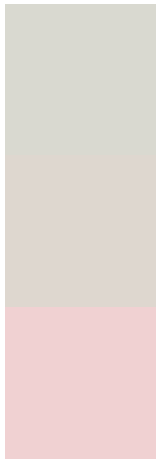


This preview shows how white text looks on a background with the XYZ color 64.8133, 68.9315,

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

64.8133, 68.9315, 69.5636

Protanopia

65.6871, 68.6355, 68.8174

Deuteranopia

70.3685, 68.7793, 70.5397



Tritanopia

67.8447, 69.0219, 84.6097

Trichromacy



Original Color

64.8133, 68.9315, 69.5636

Protanomaly

65.3336, 68.8324, 68.8740

Deuteranomaly

68.3308, 68.8462, 70.0088

Tritanomaly

66.6987, 68.9349, 78.8976

Monochromacy



Original Color

64.8133, 68.9315, 69.5636

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.8850, 68.5148, 72.7557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8133, 68.9315, 69.5636 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, 217, 208) looks like.

```
.text, #text, p{  
    color:rgb(217, 217, 208)  
}
```

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, 217, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 217, 208) }
```

Border

The CSS property to change the border of an element to XYZ 64.8133, 68.9315, 69.5636 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, 217, 208) }
```


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

```
.border{ border-color:rgb(217, 217, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 217, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 217, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 217, 208);  
box-shadow:4px 4px 4px 4px rgb(217, 217,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8133, 68.9315, 69.5636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 217, 208) }
```

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

```
.background{ background-color: rgb(217,  
217, 208) }
```

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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