

Converting Colors

XYZ(64.6194, 68.8767, 68.3280)

Have a look what the booklet for
XYZ(64.6194, 68.8767, 68.3280)
contains.

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Color

**XYZ(64.5687, 68.8337,
68.2756)**

Conversions

Conversions Part 1

Format	Color
Hex	D9D9CE
RGB	217, 217, 206
RGB Percent	85%, 85%, 81%
CMY	0.1490, 0.1490, 0.1922
CMYK	0.00, 0.00, 0.05, 0.15
HSL	60°, 13%, 83%
HSV	60°, 5%, 85%
XYZ	64.5687, 68.8337, 68.2756
YIQ	215.7460, 3.5310, -3.4210

Conversions

Conversions Part 2

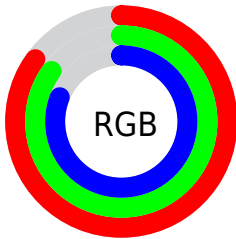
Format	Color
R_{YB}	206, 217, 206
Decimal	14277070
CIE Lab	86.42, -1.93, 5.40
CIE LCh	86, 5.740, 109.682
Yxy	68.8337, 0.3202, 0.3413
Android (android.graphics.Color)	4292467150 (0xFFD9D9CE)
YUV	215.7460, -4.8048, 1.0998
Hunter-Lab	82.9661, -6.2723, 9.2845

Details

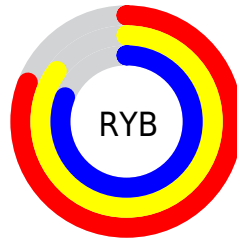
The XYZ color **64.5687, 68.8337, 68.2756** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.0520, 62.2761, 74.5047**, and the grayscale version is **65.1290, 68.5208, 74.6192**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.4881, 35.7890, 34.8487** is the 20% darker color. If you saturate the color by 10%, you get **62.1106, 67.8524, 55.3363**, and if you desaturate by 10%, it is **67.3946, 69.9666, 83.1350**.

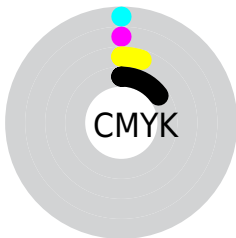
Distribution



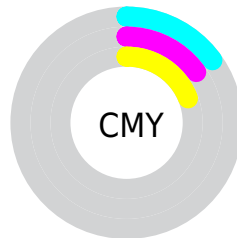
- Red (85%)
- Green (85%)
- Blue (81%)



- Red (81%)
- Yellow (85%)
- Blue (81%)



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (15%)



- Cyan (15%)
- Magenta (15%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5687, 68.8337, 68.2756 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 64.5687, 68.8337, 68.2756 by changing the saturation by 10% instead.

■ 64.5687, 68.8337,
68.2756

■ 64.5687, 68.8337,
68.2756

430.8102,
456.4442, 473.0964

■ 47.3748, 50.5763,
49.6539

110.4987,
117.5440, 118.4043

■ 33.5413, 35.8715,
34.7692

139.9656,
148.7657, 150.7483

■ 22.7026, 24.3350,
23.2030

174.2542,
185.0776, 188.5035

■ 14.4936, 15.5823,
14.5368

213.7298,
226.8641, 232.0885

■ 8.5487, 9.2291,
8.3519

258.7579,
274.5097, 281.9217

■ 4.5028, 4.8909,
4.2300

309.7037,

■ 1.9903, 2.1834,

328.3986, 338.4217

1.7523

366.9327,
388.9153, 402.0071

■ 0.6285, 0.7109,
0.3962

■ 0.0000, 0.0000,
0.0000

■ 64.5687, 68.8337,
68.2756

■ 64.5687, 68.8337,
68.2756

■ 62.1106, 67.8524,
55.3363

■ 67.3946, 69.9666,
83.1350

■ 59.9999, 67.0078,
44.2344


■ 70.5967, 71.2477,
99.9835

■ 58.2225, 66.2966,
34.8881


■ 71.4875, 71.6043,
104.6610


■ 56.7614, 65.7118,
27.2076


■ 71.4900, 71.6056,
104.6611

 55.5981, 65.2462,
21.0950


 71.4926, 71.6069,
104.6612

 54.7121, 64.8915,
16.4425


 71.4951, 71.6082,
104.6613

 54.0802, 64.6385,
13.1282

 71.4976, 71.6096,
104.6614

 53.6756, 64.4763,
11.0111

 71.5002, 71.6109,
104.6616

 53.4656, 64.3920,
9.9184

 71.5027, 71.6122,
104.6617

Harmonies

Analogous

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



65.8825, 68.8337, 67.9858



64.5687, 68.8337, 68.2756



63.4980, 68.8337, 70.3185

Triad

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



64.5687, 68.8337, 68.2756



63.7872, 68.8337, 80.6595



67.9671, 68.8337, 76.2648

Complementary

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



64.5687, 68.8337, 68.2756



60.0520, 62.2761, 74.5047

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.



67.3893, 68.8337, 79.7768



64.5687, 68.8337, 68.2756



64.9684, 68.8337, 82.3704

Square

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



64.5687, 68.8337, 68.2756



63.0510, 68.8337, 77.4366



66.2876, 68.8337, 82.0420



67.8566, 68.8337, 72.5137

Rectangle

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



64.5687, 68.8337, 68.2756



63.0605, 68.8337, 72.4392



66.2876, 68.8337, 82.0420



67.8466, 68.8337, 77.5145

Sweetspot

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



64.5706, 68.8367, 68.2771



94.2389, 99.6755, 104.6327



61.8293, 63.3522, 67.3630



20.1795, 21.3381, 22.4404



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.



64.5706, 68.8367, 68.2771



92.6814, 99.0523, 96.4388



62.9635, 68.0082, 68.2019



14.3218, 15.3277, 14.7674



32.3274, 38.9629, 5.8168



2.0945, 2.5243, 0.3768

Inverse Universe

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



60.0520, 62.2761, 74.5047



84.9573, 87.8375, 107.0844



61.6052, 63.0768, 74.5774



13.0213, 13.4394, 16.5599



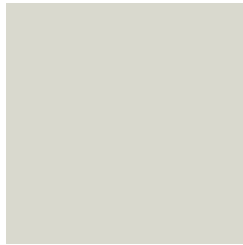
7.5825, 3.0331, 39.9242



0.4914, 0.1966, 2.5865

Previews

White Background



This preview shows how the XYZ color 64.5687, 68.8337, 68.2756 looks on a white background.

Color Contrast Check

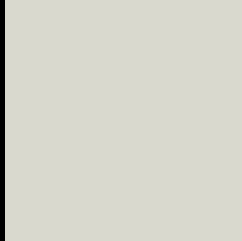
Large Text (above 18pt) WCAG AA × Fail

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 64.5687, 68.8337, 68.2756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

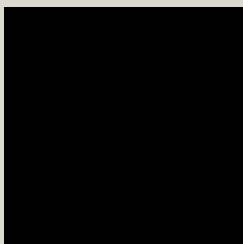
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

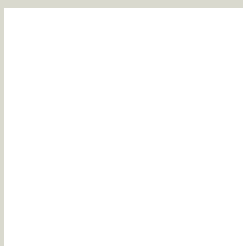
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.5687, 68.8337, 68.2756

Background



This preview shows how black text looks on a background with the XYZ color 64.5687, 68.8337, 68.2756.



This preview shows how white text looks on a background with the XYZ color 64.5687, 68.8337,

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

64.5687, 68.8337, 68.2756

Protanopia

65.7513, 68.6966, 67.5519

Deuteranopia

70.1208, 68.6803, 69.2354



Tritanopia

67.8960, 68.6738, 84.5398

Trichromacy



Original Color

64.5687, 68.8337, 68.2756

Protanomaly

65.3941, 68.8917, 67.6084

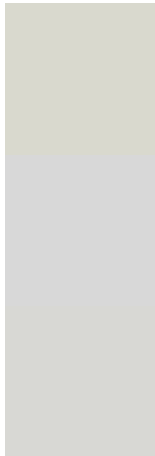
Deuteranomaly

68.0847, 68.7478, 68.7127

Tritanomaly

66.6129, 68.5292, 78.1232

Monochromacy



Original Color

64.5687, 68.8337, 68.2756

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.7584, 68.4641, 72.0891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5687, 68.8337, 68.2756 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, 206) looks like.

```
.text, #text, p{  
    color:rgb(217, 217, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 217, 206) }
```

Border

The CSS property to change the border of an element to XYZ 64.5687, 68.8337, 68.2756 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, 206) }
```


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

```
.border{ border-color:rgb(217, 217, 206) }
```

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, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 217, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 217, 206);  
box-shadow:4px 4px 4px 4px rgb(217, 217,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5687, 68.8337, 68.2756 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, 206) }
```

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

```
.background{ background-color: rgb(217,  
217, 206) }
```

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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