

Converting Colors

XYZ(63.3837, 68.3544, 63.0304)

Have a look what the booklet for
XYZ(63.3837, 68.3544, 63.0304)
contains.

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Color

**XYZ(63.3248, 68.3019,
63.2721)**

Conversions

Conversions Part 1

Format	Color
Hex	D8D9C6
RGB	216, 217, 198
RGB Percent	85%, 85%, 78%
CMY	0.1529, 0.1490, 0.2235
CMYK	0.00, 0.00, 0.09, 0.15
HSL	63°, 20%, 81%
HSV	63°, 9%, 85%
XYZ	63.3248, 68.3019, 63.2721
YIQ	214.5350, 5.5030, -6.1210

Conversions

Conversions Part 2

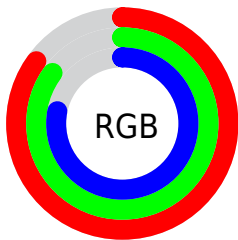
Format	Color
RYB	198, 217, 199
Decimal	14211526
CIELab	86.16, -3.63, 9.24
CIELCh	86, 9.926, 111.477
Yxy	68.3019, 0.3249, 0.3504
Android (android.graphics.Color)	4292401606 (0xFFD8D9C6)
YUV	214.5350, -8.1518, 1.2848
Hunter-Lab	82.6450, -7.8572, 12.4597

Details

The XYZ color **63.3248, 68.3019, 63.2721** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **56.2744, 57.5419, 73.7901**, and the grayscale version is **64.3293, 67.6795, 73.7029**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **32.6523, 35.4313, 31.5035** is the 20% darker color. If you saturate the color by 10%, you get **60.6620, 67.2000, 51.0043**, and if you desaturate by 10%, it is **66.3524, 69.5545, 77.4318**.

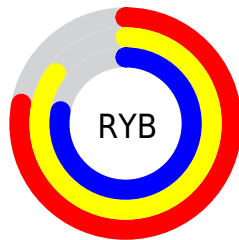
Distribution



Red (85%)

Green (85%)

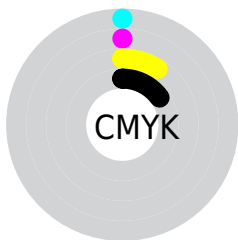
Blue (78%)



Red (78%)

Yellow (85%)

Blue (78%)

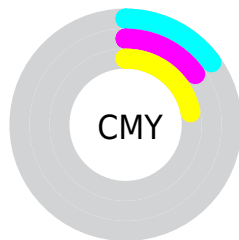


Cyan (0%)

Magenta (0%)

Yellow (9%)

Black (15%)



Cyan (15%)

Magenta (15%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.3248, 68.3019, 63.2721 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 63.3248, 68.3019, 63.2721 by changing the saturation by 10% instead.

■ 63.3248, 68.3019,
63.2721

■ 63.3248, 68.3019,
63.2721

426.3883,
454.5649, 454.6914

■ 46.3637, 50.1434,
45.6190

108.7171,
116.7839, 111.1513

■ 32.7387, 35.5273,
31.5987

137.8791,
147.8762, 142.2145

■ 22.0846, 24.0694,
20.7929

171.8386,
184.0486, 178.5848

■ 14.0361, 15.3851,
12.7830

210.9611,
225.6854, 220.6807

■ 8.2276, 9.0901,
7.1503

255.6120,
273.1710, 268.9208

■ 4.2940, 4.8000,
3.4764

306.1566,

■ 1.8697, 2.1304,

326.8899, 323.7235

1.3427

362.9602,
387.2264, 385.5076

■ 0.5592, 0.6816,
0.0964

■ 0.0000, 0.0000,
0.0000

■ 63.3248, 68.3019,
63.2721

■ 63.3248, 68.3019,
63.2721

■ 60.6620, 67.2000,
51.0043

■ 66.3524, 69.5545,
77.4318

■ 58.3432, 66.2337,
40.5441

■ 69.7534, 70.9544,
93.5540

■ 56.3540, 65.3996,
31.8073

■ 72.2109, 71.9772,
104.6948

■ 54.6769, 64.6905,
24.7013

■ 72.5581, 72.1563,
104.7111

■ 53.2925, 64.0989,
19.1249

■ 72.9077, 72.3365,
104.7274

■ 52.1796, 63.6160,
14.9656

■ 73.2597, 72.5180,
104.7439

■ 51.3137, 63.2323,
12.0954

■ 73.6141, 72.7007,
104.7605

■ 50.6664, 62.9363,
10.3635

■ 73.9709, 72.8846,
104.7772

■ 50.1932, 62.7101,
9.5362

■ 74.3301, 73.0698,
104.7940

Harmonies

Analogous

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



65.5717, 68.3019, 62.6152



63.3248, 68.3019, 63.2721



61.5445, 68.3019, 66.8100

Triad

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



63.3248, 68.3019, 63.2721



62.2228, 68.3019, 84.6457



69.3580, 68.3019, 76.2481

Complementary

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



63.3248, 68.3019, 63.2721



56.2744, 57.5419, 73.7901

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.



68.4145, 68.3019, 82.4780



63.3248, 68.3019, 63.2721



64.2704, 68.3019, 87.5090

Square

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



63.3248, 68.3019, 63.2721



60.9187, 68.3019, 79.0681



66.5395, 68.3019, 86.6933



69.0905, 68.3019, 69.8602

Rectangle

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



63.3248, 68.3019, 63.2721



60.8446, 68.3019, 70.4460



66.5395, 68.3019, 86.6933



69.1712, 68.3019, 78.4353

Sweetspot

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



63.3267, 68.3049, 63.2736



93.6940, 99.4404, 102.5349



59.2225, 59.6545, 61.8202



19.9786, 21.2530, 21.5918



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.



63.3267, 68.3049, 63.2736



90.3148, 98.0432, 86.8010



60.6150, 66.9070, 63.1467



14.0907, 15.2270, 13.9220



30.3786, 37.9583, 5.7256



1.9893, 2.4701, 0.3719

Inverse Universe

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



56.2744, 57.5419, 73.7901



77.6378, 78.6957, 105.7056



58.8597, 58.8747, 73.9111



12.4020, 12.6499, 16.4401



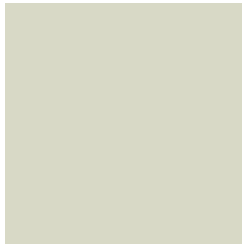
7.6963, 3.0918, 39.9295



0.5215, 0.2121, 2.5879

Previews

White Background



This preview shows how the XYZ color 63.3248, 68.3019, 63.2721 looks on a white background.

Color Contrast Check

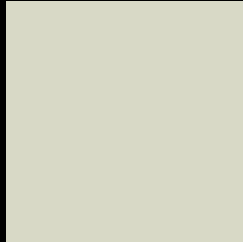
Large Text (above 18pt) WCAG AA × Fail

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 63.3248, 68.3019, 63.2721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

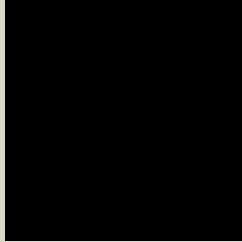
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

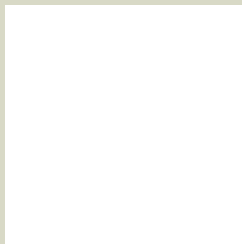
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.3248, 68.3019, 63.2721

Background



This preview shows how black text looks on a background with the XYZ color 63.3248, 68.3019, 63.2721.



This preview shows how white text looks on a background with the XYZ color 63.3248, 68.3019,

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

63.3248, 68.3019, 63.2721

Protanopia

65.1190, 68.4794, 62.6090

Deuteranopia

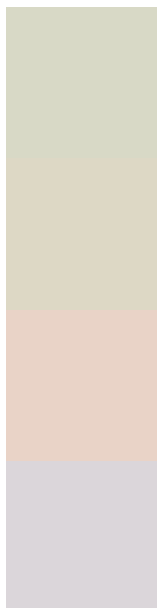
69.5992, 68.1591, 64.1313



Tritanopia

67.5051, 68.1163, 83.7186

Trichromacy



Original Color

63.3248, 68.3019, 63.2721

Protanomaly

64.4527, 68.5151, 62.6510

Deuteranomaly

67.2073, 68.0357, 63.6228

Tritanomaly

65.9149, 68.2152, 76.0224

Monochromacy



Original Color

63.3248, 68.3019, 63.2721

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.0888, 68.1623, 70.1004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3248, 68.3019, 63.2721 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(216, 217, 198) looks like.

```
.text, #text, p{  
    color:rgb(216, 217, 198)  
}
```

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(216, 217, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 217, 198) }
```

Border

The CSS property to change the border of an element to XYZ 63.3248, 68.3019, 63.2721 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(216, 217, 198) }
```


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

```
.border{ border-color:rgb(216, 217, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 217, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 217, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 217, 198);  
box-shadow:4px 4px 4px 4px rgb(216, 217,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3248, 68.3019, 63.2721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 217, 198) }
```

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

```
.background{ background-color: rgb(216,  
217, 198) }
```

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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