

Converting Colors

XYZ(63.5732, 68.1863, 58.3336)

Have a look what the booklet for
XYZ(63.5732, 68.1863, 58.3336)
contains.

XYZ(63.6689, 68.2016, 58.5237)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.6689, 68.2016,
58.5237)**

Conversions

Conversions Part 1

Format	Color
Hex	DDD8BE
RGB	221, 216, 190
RGB Percent	87%, 85%, 75%
CMY	0.1333, 0.1529, 0.2549
CMYK	0.00, 0.02, 0.14, 0.13
HSL	50°, 31%, 81%
HSV	50°, 14%, 87%
XYZ	63.6689, 68.2016, 58.5237
YIQ	214.5310, 11.3260, -7.0260

Conversions

Conversions Part 2

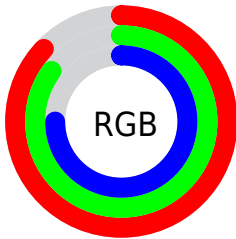
Format	Color
RYB	196, 221, 190
Decimal	14538942
CIELab	86.11, -2.63, 13.43
CIELCh	86, 13.689, 101.072
Yxy	68.2016, 0.3344, 0.3582
Android (android.graphics.Color)	4292729022 (0xFFDDD8BE)
YUV	214.5310, -12.0938, 5.6733
Hunter-Lab	82.5843, -6.9067, 15.7929

Details

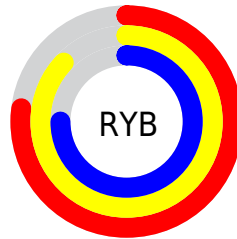
The XYZ color **63.6689, 68.2016, 58.5237** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.8013, 55.1967, 76.2255**, and the grayscale version is **64.3496, 67.7008, 73.7261**.

A 20% lighter version of the original color is **93.6346, 99.4338, 101.4464**, and **32.9861, 35.4029, 28.7618** is the 20% darker color. If you saturate the color by 10%, you get **60.5324, 65.5052, 46.4511**, and if you desaturate by 10%, it is **67.1951, 71.0901, 72.5349**.

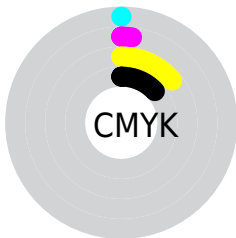
Distribution



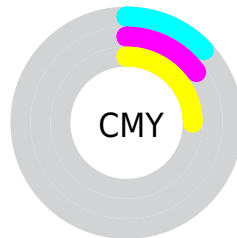
- Red (87%)
- Green (85%)
- Blue (75%)



- Red (77%)
- Yellow (87%)
- Blue (75%)



- Cyan (0%)
- Magenta (2%)
- Yellow (14%)
- Black (13%)



- Cyan (13%)
- Magenta (15%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6689, 68.2016, 58.5237 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 63.6689, 68.2016, 58.5237 by changing the saturation by 10% instead.

■ 63.6689, 68.2016,
58.5237

■ 63.6689, 68.2016,
58.5237

427.6142,
454.2100, 436.7872

■ 46.6432, 50.0618,
41.8123

■ 109.2104,
116.6405, 104.2074

■ 32.9605, 35.4625,
28.6299

138.4569,
147.7084, 134.0168

■ 22.2553, 24.0193,
18.5579

172.5077,
183.8543, 169.0293

■ 14.1622, 15.3480,
11.1777

211.7282,
225.4628, 209.6634

■ 8.3160, 9.0640,
6.0708

256.4838,
272.9183, 256.3378

■ 4.3513, 4.7829,
2.8187

307.1397,

■ 1.9028, 2.1205,

326.6050, 309.4708

1.0028

364.0614,
386.9074, 369.4811

■ 0.5784, 0.6761,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.6689, 68.2016,
58.5237

■ 63.6689, 68.2016,
58.5237

■ 60.5324, 65.5052,
46.4511

■ 67.1951, 71.0901,
72.5349

■ 57.7637, 62.9850,
36.2261

■ 71.1212, 74.1681,
88.5614

■ 55.3467, 60.6368,
27.7569

■ 75.2531, 77.3605,
105.5735

■ 53.2620, 58.4526,
20.9422

■ 76.2355, 79.3253,
105.9010

■ 51.4884, 56.4236,
15.6703

■ 77.2382, 81.3306,
106.2352

■ 50.0018, 54.5401,
11.8155

■ 78.2612, 83.3766,
106.5762

■ 48.7745, 52.7907,
9.2326

■ 79.3047, 85.4637,
106.9241

■ 47.7730, 51.1619,
7.7449

■ 80.3688, 87.5919,
107.2788

■ 47.2494, 50.2331,
7.2056

■ 81.4537, 89.7616,
107.6404

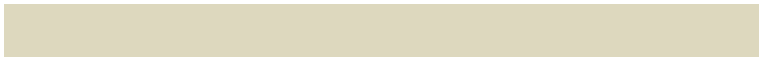
Harmonies

Analogous

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



66.8055, 68.2016, 59.0494



63.6689, 68.2016, 58.5237



60.9302, 68.2016, 61.9510

Triad

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



63.6689, 68.2016, 58.5237



60.3696, 68.2016, 86.2326



70.7152, 68.2016, 80.0221

Complementary

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



63.6689, 68.2016, 58.5237



53.8013, 55.1967, 76.2255

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.



68.8794, 68.2016, 88.1000



63.6689, 68.2016, 58.5237



62.8812, 68.2016, 91.8811

Square

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



63.6689, 68.2016, 58.5237



59.0668, 68.2016, 77.6366



65.9921, 68.2016, 92.5909



70.9427, 68.2016, 70.9826

Rectangle

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



63.6689, 68.2016, 58.5237



59.6724, 68.2016, 66.1918



65.9921, 68.2016, 92.5909



70.2630, 68.2016, 82.9584

Sweetspot

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



63.6707, 68.2046, 58.5252



92.9288, 98.3162, 100.3052



58.1022, 56.1476, 59.5048



19.8074, 20.9770, 21.1344



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.



63.6707, 68.2046, 58.5252



86.6514, 93.1396, 75.4668



61.9199, 69.2309, 58.8155



13.9743, 14.8879, 13.8627



27.5178, 29.3211, 4.2092



1.8315, 1.9972, 0.2890

Inverse Universe

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



53.8013, 55.1967, 76.2255



70.3371, 71.6381, 104.7281



55.3740, 54.3736, 75.9837



12.5073, 12.9544, 16.4934



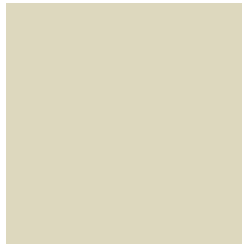
7.9955, 3.8604, 40.0621



0.5715, 0.3570, 2.6132

Previews

White Background



This preview shows how the XYZ color 63.6689, 68.2016, 58.5237 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 63.6689, 68.2016, 58.5237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

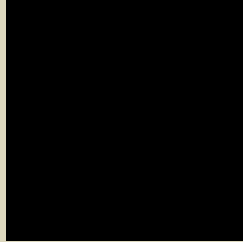
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

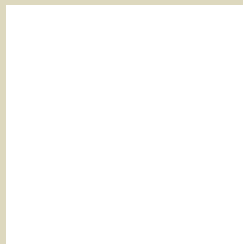
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.6689, 68.2016, 58.5237

Background



This preview shows how black text looks on a background with the XYZ color 63.6689, 68.2016, 58.5237.



This preview shows how white text looks on a background with the XYZ color 63.6689, 68.2016,

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

63.6689, 68.2016, 58.5237

Protanopia

64.5371, 68.2826, 57.9225

Deuteranopia

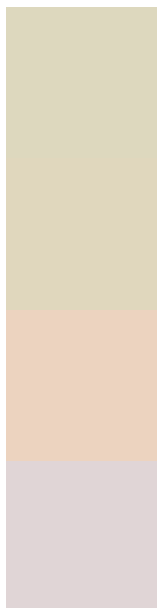
69.7265, 68.3300, 59.3832



Tritanopia

68.5234, 68.3033, 82.2453

Trichromacy



Original Color

63.6689, 68.2016, 58.5237

Protanomaly

64.2262, 68.1223, 57.9079

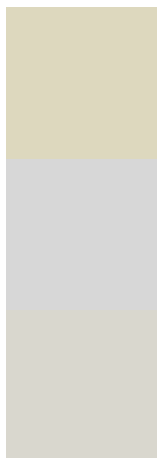
Deuteranomaly

67.2903, 68.1830, 58.9043

Tritanomaly

66.6723, 68.2908, 73.2858

Monochromacy



Original Color

63.6689, 68.2016, 58.5237

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.0563, 67.8088, 68.1048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6689, 68.2016, 58.5237 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(221, 216, 190)` looks like.

```
.text, #text, p{  
    color:rgb(221, 216, 190)  
}
```

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(221, 216, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 216, 190) }
```

Border

The CSS property to change the border of an element to XYZ 63.6689, 68.2016, 58.5237 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(221, 216, 190) }
```


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

```
.border{ border-color:rgb(221, 216, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 216, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 216, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 216, 190);  
box-shadow:4px 4px 4px 4px rgb(221, 216,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6689, 68.2016, 58.5237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 216, 190) }
```

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

```
.background{ background-color: rgb(221,  
216, 190) }
```

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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