

Converting Colors

XYZ(67.8744, 71.2449, 63.3607)

Have a look what the booklet for
XYZ(67.8744, 71.2449, 63.3607)
contains.

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Color

**XYZ(68.1577, 71.5632,
63.6469)**

Conversions

Conversions Part 1

Format	Color
Hex	E6DBC6
RGB	230, 219, 198
RGB Percent	90%, 86%, 78%
CMY	0.0980, 0.1412, 0.2235
CMYK	0.00, 0.05, 0.14, 0.10
HSL	39°, 39%, 84%
HSV	39°, 14%, 90%
XYZ	68.1577, 71.5632, 63.6469
YIQ	219.8950, 13.2970, -4.1990

Conversions

Conversions Part 2

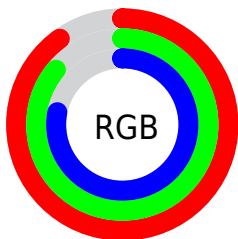
Format	Color
R_{YB}	215, 230, 198
Decimal	15129542
CIE Lab	87.76, 0.30, 11.67
CIE LCh	88, 11.671, 88.505
Yxy	71.5632, 0.3351, 0.3519
Android (android.graphics.Color)	4293319622 (0xFFE6DBC6)
YUV	219.8950, -10.7942, 8.8621
Hunter-Lab	84.5950, -4.2250, 14.6084

Details

The XYZ color **68.1577, 71.5632, 63.6469** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **60.3720, 63.3188, 83.9034**, and the grayscale version is **68.0223, 71.5648, 77.9340**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7651, 37.5632, 31.7510** is the 20% darker color. If you saturate the color by 10%, you get **63.6912, 66.5577, 50.0483**, and if you desaturate by 10%, it is **73.1290, 76.9320, 79.4029**.

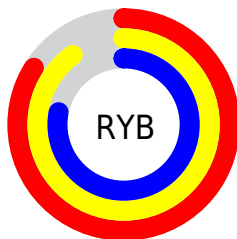
Distribution



Red (90%)

Green (86%)

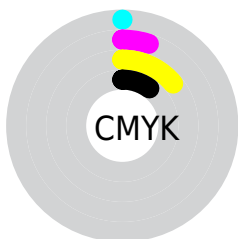
Blue (78%)



Red (84%)

Yellow (90%)

Blue (78%)

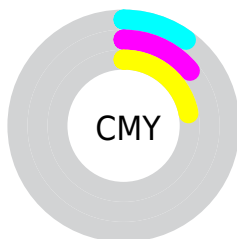


Cyan (0%)

Magenta (5%)

Yellow (14%)

Black (10%)



Cyan (10%)

Magenta (14%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1577, 71.5632, 63.6469 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 68.1577, 71.5632, 63.6469 by changing the saturation by 10% instead.

68.1577, 71.5632,
63.6469

68.1577, 71.5632,
63.6469

443.4225,
466.0198, 456.0858

50.3002, 52.8019,
45.9204

115.6184,
121.4353, 111.6968

35.8707, 37.6447,
31.8348

145.9523,
153.3150, 142.8573

24.5040, 25.7070,
20.9716

181.1757,
190.3362, 179.3329

15.8347, 16.6046,
12.9122

221.6539,
232.8834, 221.5421

9.4974, 9.9530,
7.2381

267.7523,
281.3409, 269.9034

5.1267, 5.3678,
3.5307

319.8364,

2.3573, 2.4646,

336.0933, 324.8355

1.3716

378.2713,
397.5248, 386.7568

■ 0.8237, 0.8588,
0.1194

■ 0.0000, 0.0000,
0.0000

■ 68.1577, 71.5632,
63.6469

■ 68.1577, 71.5632,
63.6469

■ 63.6912, 66.5577,
50.0483

■ 73.1290, 76.9320,
79.4029

■ 59.7040, 61.8962,
38.5068

■ 78.6174, 82.6639,
97.4016

■ 56.1775, 57.5711,
28.9209

■ 82.6488, 87.9740,
107.2324

■ 53.0888, 53.5713,
21.1783

■ 85.0615, 92.7993,
108.0366

■ 50.4132, 49.8845,
15.1555

■ 86.4434, 95.5632,
108.4972

■ 48.1230, 46.4972,
10.7136

■ 46.1862, 43.3944,
7.6920

■ 44.5643, 40.5580,
5.8952

■ 43.6950, 38.9464,
5.2144

Harmonies

Analogous

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



70.8388, 71.5632, 65.6257



68.1577, 71.5632, 63.6469



65.5088, 71.5632, 65.2715

Triad

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



68.1577, 71.5632, 63.6469



63.4455, 71.5632, 85.4276



72.6613, 71.5632, 86.1624

Complementary

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



68.1577, 71.5632, 63.6469



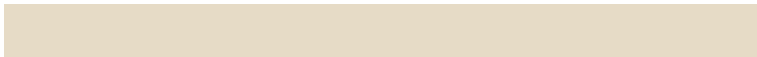
60.3720, 63.3188, 83.9034

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.



70.5919, 71.5632, 92.1056



68.1577, 71.5632, 63.6469



65.2744, 71.5632, 91.6615

Square

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



68.1577, 71.5632, 63.6469



62.8329, 71.5632, 77.5229



67.8798, 71.5632, 94.1821



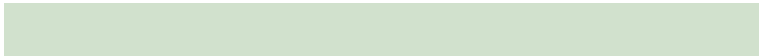
73.4822, 71.5632, 78.3187

Rectangle

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



68.1577, 71.5632, 63.6469



64.1074, 71.5632, 68.2459



67.8798, 71.5632, 94.1821



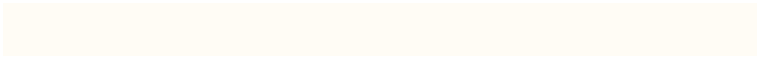
72.0859, 71.5632, 88.4680

Sweetspot

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



68.1596, 71.5664, 63.6484



92.3430, 97.1445, 100.1100



64.3615, 61.8256, 68.9938



19.6588, 20.6798, 21.0848



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.



68.1596, 71.5664, 63.6484



84.2703, 88.3774, 74.6731



69.6044, 76.7114, 64.5654



15.1628, 15.9395, 15.1819



24.8555, 22.2852, 2.9914



1.9224, 1.8181, 0.2496

Inverse Universe

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



60.3720, 63.3188, 83.9034



72.4456, 75.8551, 105.4309



59.0522, 58.7709, 83.0952



13.9857, 14.6928, 18.2432



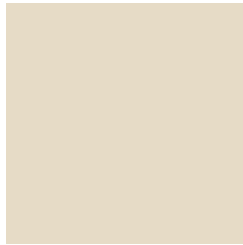
9.7729, 6.6079, 43.1435



0.8062, 0.6564, 3.2162

Previews

White Background



This preview shows how the XYZ color 68.1577, 71.5632, 63.6469 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 68.1577, 71.5632, 63.6469 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

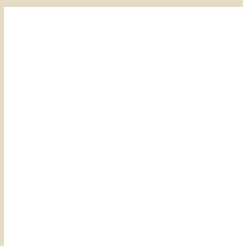
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1577, 71.5632, 63.6469

Background



This preview shows how black text looks on a background with the XYZ color 68.1577, 71.5632, 63.6469.

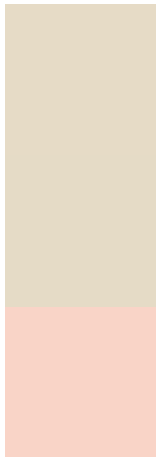


This preview shows how white text looks on a background with the XYZ color 68.1577, 71.5632,

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

68.1577, 71.5632, 63.6469

Protanopia

67.8377, 71.3983, 63.6319

Deuteranopia

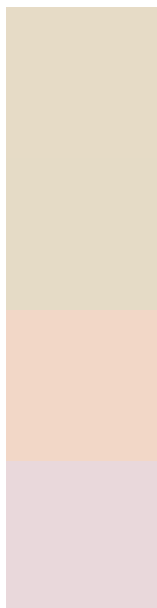
72.9192, 71.3502, 63.9615



Tritanopia

72.4021, 71.3551, 85.5582

Trichromacy



Original Color

68.1577, 71.5632, 63.6469

Protanomaly

67.8377, 71.3983, 63.6319

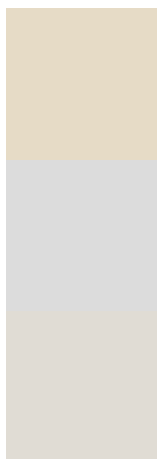
Deuteranomaly

71.2272, 71.6016, 64.0993

Tritanomaly

70.9463, 71.5498, 77.0891

Monochromacy



Original Color

68.1577, 71.5632, 63.6469

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.2173, 71.7872, 72.5482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1577, 71.5632, 63.6469 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(230, 219, 198) looks like.

```
.text, #text, p{  
    color:rgb(230, 219, 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(230, 219, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 219, 198) }
```

Border

The CSS property to change the border of an element to XYZ 68.1577, 71.5632, 63.6469 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(230, 219, 198) }
```


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

```
.border{ border-color:rgb(230, 219, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 219, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 219, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 219, 198);  
box-shadow:4px 4px 4px 4px rgb(230, 219,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1577, 71.5632, 63.6469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 219, 198) }
```

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

```
.background{ background-color: rgb(230,  
219, 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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