

Converting Colors

XYZ(67.2356, 71.5603, 68.3905)

Have a look what the booklet for
XYZ(67.2356, 71.5603, 68.3905)
contains.

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Color

**XYZ(67.1652, 71.3306,
68.6207)**

Conversions

Conversions Part 1

Format	Color
Hex	DFDCCE
RGB	223, 220, 206
RGB Percent	87%, 86%, 81%
CMY	0.1255, 0.1372, 0.1922
CMYK	0.00, 0.01, 0.08, 0.13
HSL	49°, 21%, 84%
HSV	49°, 8%, 87%
XYZ	67.1652, 71.3306, 68.6207
YIQ	219.3010, 6.2820, -3.7180

Conversions

Conversions Part 2

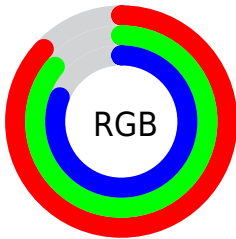
Format	Color
R _Y B	210, 223, 206
Decimal	14671054
CIE Lab	87.65, -1.39, 7.23
CIE LCh	88, 7.359, 100.914
Yxy	71.3306, 0.3243, 0.3444
Android (android.graphics.Color)	4292861134 (0xFFDFDCCE)
YUV	219.3010, -6.5574, 3.2440
Hunter-Lab	84.4574, -5.8475, 10.9478

Details

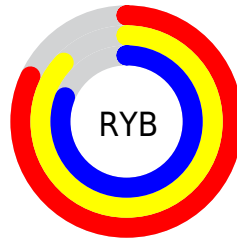
The XYZ color **67.1652, 71.3306, 68.6207** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **61.5733, 64.0494, 78.9303**, and the grayscale version is **67.5836, 71.1032, 77.4314**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.2711, 37.5021, 35.0854** is the 20% darker color. If you saturate the color by 10%, you get **63.6275, 68.2869, 55.0107**, and if you desaturate by 10%, it is **71.1155, 74.5828, 84.2663**.

Distribution



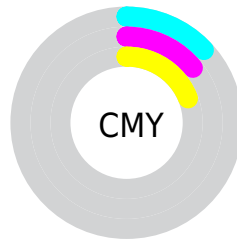
- Red (87%)
- Green (86%)
- Blue (81%)



- Red (82%)
- Yellow (87%)
- Blue (81%)



- Cyan (0%)
- Magenta (1%)
- Yellow (8%)
- Black (13%)



- Cyan (13%)
- Magenta (14%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1652, 71.3306, 68.6207 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 67.1652, 71.3306, 68.6207 by changing the saturation by 10% instead.

■ 67.1652, 71.3306,
68.6207

■ 67.1652, 71.3306,
68.6207

439.9558,
465.2083, 474.3497

■ 49.4901, 52.6120,
49.9330

114.2056,
121.1043, 118.9023

■ 35.2245, 37.4931,
34.9894

144.3016,
152.9283, 151.3332

■ 24.0032, 25.5895,
23.3712

179.2685,
189.8895, 189.1824

■ 15.4608, 16.5168,
14.6600

219.4719,
232.3724, 232.8682

■ 9.2318, 9.8906,
8.4371

265.2769,
280.7613, 282.8094

■ 4.9510, 5.3265,
4.2842

317.0490,

■ 2.2530, 2.4401,

335.4407, 339.4243

1.7825

375.1535,
396.7949, 403.1316

■ 0.7705, 0.8464,
0.4164

■ 0.0000, 0.0000,
0.0000

■ 67.1652, 71.3306,
68.6207

■ 67.1652, 71.3306,
68.6207

■ 63.6275, 68.2869,
55.0107

■ 71.1155, 74.5828,
84.2663

■ 60.4802, 65.4355,
43.3468

■ 75.4879, 78.0406,
102.0228

■ 57.7080, 62.7724,
33.5397

■ 77.2806, 80.5059,
106.0738

■ 55.2920, 60.2898,
25.4913

■ 78.3979, 82.7405,
106.4462

■ 53.2117, 57.9793,
19.0945

■ 79.5402, 85.0249,
106.8270

■ 51.4444, 55.8314,
14.2304

■ 80.7074, 87.3594,
107.2161

■ 49.9643, 53.8355,
10.7643

■ 81.8999, 89.7443,
107.6135

■ 48.7413, 51.9794,
8.5378

■ 83.1177, 92.1799,
108.0195

■ 47.7341, 50.2463,
7.3349

■ 84.2418, 94.4282,
108.3942

Harmonies

Analogous

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



68.8991, 71.3306, 68.9471



67.1652, 71.3306, 68.6207



65.6268, 71.3306, 70.6389

Triad

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



67.1652, 71.3306, 68.6207



65.2970, 71.3306, 84.1223



71.0135, 71.3306, 80.8470

Complementary

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



67.1652, 71.3306, 68.6207



61.5733, 64.0494, 78.9303

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.



70.0157, 71.3306, 85.1463



67.1652, 71.3306, 68.6207



66.7079, 71.3306, 87.0925

Square

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



67.1652, 71.3306, 68.6207



64.5606, 71.3306, 79.4979



68.4339, 71.3306, 87.4751



71.1410, 71.3306, 75.8642

Rectangle

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



67.1652, 71.3306, 68.6207



64.9116, 71.3306, 73.0950



68.4339, 71.3306, 87.4751



70.7679, 71.3306, 82.4256

Sweetspot

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



67.1672, 71.3337, 68.6222



93.9536, 99.1038, 104.5373



64.0267, 64.4408, 69.4621



20.1214, 21.2217, 22.4210



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.



67.1672, 71.3337, 68.6222



90.2959, 96.0557, 90.1627



66.3281, 72.0788, 68.8103



14.6556, 15.5971, 14.5449



28.0100, 29.4579, 4.2097



1.9961, 2.1510, 0.3100

Inverse Universe

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



61.5733, 64.0494, 78.9303



81.3676, 84.4294, 106.6157



62.3655, 63.3769, 78.7588



13.1464, 13.6318, 17.3260



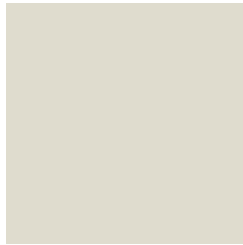
8.3217, 4.1129, 41.4036



0.6355, 0.4025, 2.8894

Previews

White Background



This preview shows how the XYZ color 67.1652, 71.3306, 68.6207 looks on a white background.

Color Contrast Check

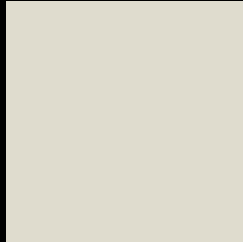
Large Text (above 18pt) WCAG AA × Fail

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 67.1652, 71.3306, 68.6207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

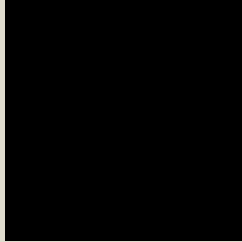
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

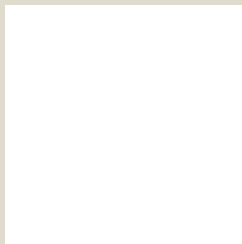
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.1652, 71.3306, 68.6207

Background



This preview shows how black text looks on a background with the XYZ color 67.1652, 71.3306, 68.6207.

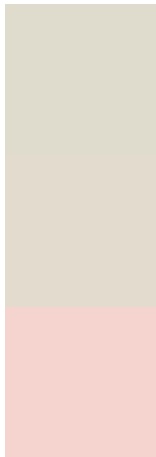


This preview shows how white text looks on a background with the XYZ color 67.1652, 71.3306,

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

67.1652, 71.3306, 68.6207

Protanopia

68.0295, 71.4017, 67.9540

Deuteranopia

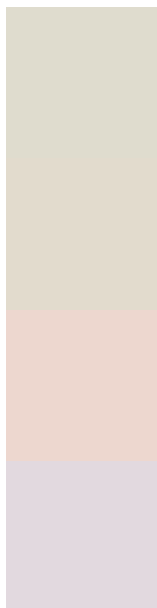
72.5848, 71.0535, 69.5636



Tritanopia

70.9424, 71.3258, 87.1190

Trichromacy



Original Color

67.1652, 71.3306, 68.6207

Protanomaly

67.7150, 71.2396, 67.9393

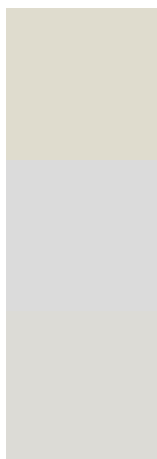
Deuteranomaly

70.4880, 71.1104, 69.0420

Tritanomaly

69.4962, 71.1222, 79.8771

Monochromacy



Original Color

67.1652, 71.3306, 68.6207

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.9843, 70.7337, 73.7408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1652, 71.3306, 68.6207 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(223, 220, 206) looks like.

```
.text, #text, p{  
    color:rgb(223, 220, 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(223, 220, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 220, 206) }
```

Border

The CSS property to change the border of an element to XYZ 67.1652, 71.3306, 68.6207 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(223, 220, 206) }
```


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

```
.border{ border-color:rgb(223, 220, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 220, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 220, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 220, 206);  
box-shadow:4px 4px 4px 4px rgb(223, 220,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1652, 71.3306, 68.6207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 220, 206) }
```

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

```
.background{ background-color: rgb(223,  
220, 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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