

Converting Colors

XYZ(68.2424, 70.5834, 77.4747)

Have a look what the booklet for
XYZ(68.2424, 70.5834, 77.4747)
contains.

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Color

**XYZ(68.1625, 70.4810,
77.7218)**

Conversions

Conversions Part 1

Format	Color
Hex	DFD9DC
RGB	223, 217, 220
RGB Percent	87%, 85%, 86%
CMY	0.1255, 0.1490, 0.1372
CMYK	0.00, 0.03, 0.01, 0.13
HSL	330°, 9%, 86%
HSV	330°, 3%, 87%
XYZ	68.1625, 70.4810, 77.7218
YIQ	219.1360, 2.6130, 2.2050

Conversions

Conversions Part 2

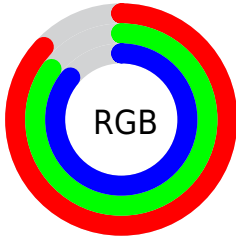
Format	Color
R _Y B	223, 217, 220
Decimal	14670300
CIE Lab	87.23, 2.58, -0.75
CIE LCh	87, 2.689, 343.706
Yxy	70.4810, 0.3150, 0.3258
Android (android.graphics.Color)	4292860380 (0xFFDFD9DC)
YUV	219.1360, 0.4260, 3.3887
Hunter-Lab	83.9530, -1.9912, 3.8777

Details

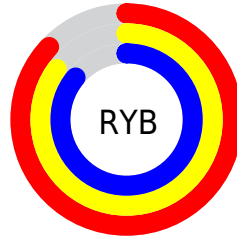
The XYZ color **68.1625, 70.4810, 77.7218** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.9238, 72.6961, 78.1654**, and the grayscale version is **67.4239, 70.9352, 77.2484**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8603, 36.8821, 40.8262** is the 20% darker color. If you saturate the color by 10%, you get **61.3703, 59.1822, 68.4097**, and if you desaturate by 10%, it is **75.8340, 83.3787, 87.8153**.

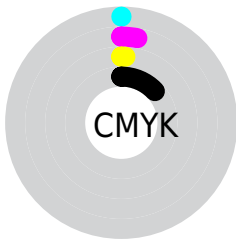
Distribution



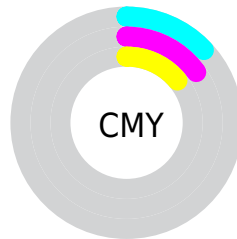
- Red (87%)
- Green (85%)
- Blue (86%)



- Red (87%)
- Yellow (85%)
- Blue (86%)



- Cyan (0%)
- Magenta (3%)
- Yellow (1%)
- Black (13%)



- Cyan (13%)
- Magenta (15%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.1625, 70.4810, 77.7218 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 68.1625, 70.4810, 77.7218 by changing the saturation by 10% instead.

■ 68.1625, 70.4810,
77.7218

■ 68.1625, 70.4810,
77.7218

443.4392,
462.2371, 506.7244

■ 50.3041, 51.9188,
57.3304

115.6252,
119.8944, 131.9402

■ 35.8739, 36.9403,
40.8594

145.9602,
151.5144, 166.6042

■ 24.5065, 25.1613,
27.8904

181.1849,
188.2558, 206.8629

■ 15.8365, 16.1973,
18.0047

221.6644,
230.5029, 253.1347

■ 9.4986, 9.6639,
10.7839

267.7643,
278.6402, 305.8382

■ 5.1275, 5.1767,
5.8094

319.8498,

■ 2.3578, 2.3513,

333.0521, 365.3920

2.6626

378.2863,
394.1229, 432.2145

■ 0.8240, 0.8007,
0.9245

■ 0.0000, 0.0000,
0.0000

■ 68.1625, 70.4810,
77.7218

■ 68.1625, 70.4810,
77.7218

■ 61.3703, 59.1822,
68.4097

■ 75.8340, 83.3787,
87.8153

■ 55.4187, 49.4105,
59.8541

■ 82.2661, 93.6379,
97.9905

■ 50.2745, 41.1022,
52.0351

■ 83.9966, 94.3301,
107.1031

■ 45.9003, 34.1856,
44.9301

■ 84.2418, 94.4282,
108.3942

■ 42.2555, 28.5827,
38.5154

■ 39.2956, 24.2080,
32.7653

■ 36.9708, 20.9656,
27.6521

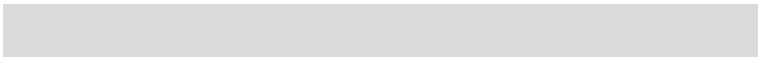
■ 35.2241, 18.7452,
23.1452

■ 33.9871, 17.4140,
19.2097

Harmonies

Analogous

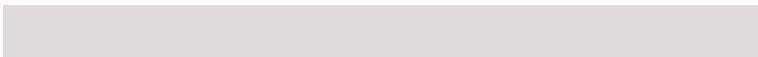
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.8327, 70.4810, 79.2836



68.1625, 70.4810, 77.7218



68.1769, 70.4810, 75.9207

Triad

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



68.1625, 70.4810, 77.7218



66.7027, 70.4810, 73.4122



66.1160, 70.4810, 79.1702

Complementary

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



68.1625, 70.4810, 77.7218



67.9238, 72.6961, 78.1654

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.



65.8171, 70.4810, 77.5689



68.1625, 70.4810, 77.7218



66.1545, 70.4810, 74.2549

Square

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



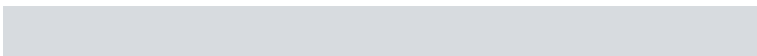
68.1625, 70.4810, 77.7218



67.3314, 70.4810, 73.4517



65.8312, 70.4810, 75.7701



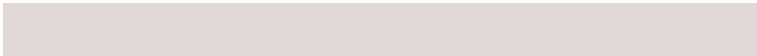
66.6499, 70.4810, 80.1288

Rectangle

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



68.1625, 70.4810, 77.7218



68.0054, 70.4810, 74.8279



65.8312, 70.4810, 75.7701



65.9849, 70.4810, 78.6881

Sweetspot

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



68.1645, 70.4840, 77.7233



94.0371, 98.3019, 107.5524



67.6499, 70.1724, 79.7920



20.1385, 21.0585, 23.0349



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.



68.1645, 70.4840, 77.7233



92.0477, 94.9717, 104.8896



67.7711, 70.3267, 75.6518



14.8518, 15.2472, 16.8991



19.6515, 9.9276, 10.0964



1.4073, 0.7062, 0.9378

Inverse Universe

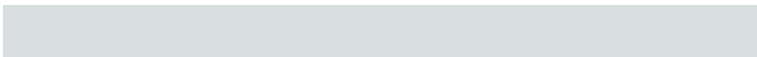
The Inverse Universe completely reimagines the original color for something new.



68.1645, 70.4840, 77.7233



92.0477, 94.9717, 104.8896



68.3243, 72.8563, 80.2745



14.8518, 15.2472, 16.8991



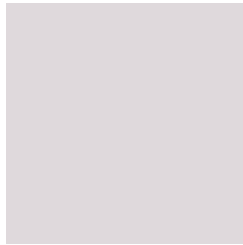
19.6515, 9.9276, 10.0964



1.4073, 0.7062, 0.9378

Previews

White Background



This preview shows how the XYZ color 68.1625, 70.4810, 77.7218 looks on a white background.

Color Contrast Check

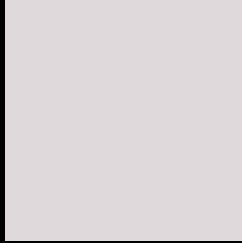
Large Text (above 18pt) WCAG AA × Fail

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 68.1625, 70.4810, 77.7218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

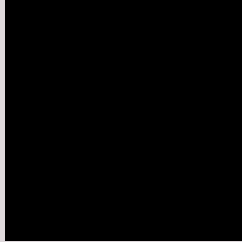
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

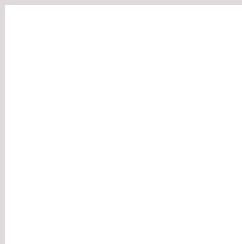
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1625, 70.4810, 77.7218

Background



This preview shows how black text looks on a background with the XYZ color 68.1625, 70.4810, 77.7218.

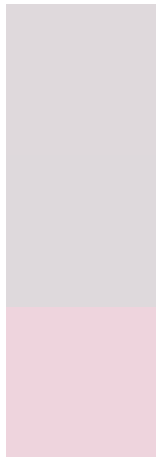


This preview shows how white text looks on a background with the XYZ color 68.1625, 70.4810,

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

68.1625, 70.4810, 77.7218

Protanopia

67.8553, 70.3226, 77.7074

Deuteranopia

71.8545, 70.4846, 78.2244



Tritanopia

69.9173, 70.4346, 86.2541

Trichromacy



Original Color

68.1625, 70.4810, 77.7218

Protanomaly

67.8553, 70.3226, 77.7074

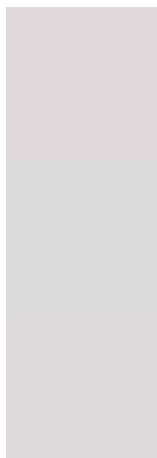
Deuteranomaly

70.7020, 70.6372, 78.3146

Tritanomaly

69.2999, 70.5605, 83.3658

Monochromacy



Original Color

68.1625, 70.4810, 77.7218

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.3728, 70.4729, 77.0695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1625, 70.4810, 77.7218 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, 217, 220) looks like.

```
.text, #text, p{  
    color:rgb(223, 217, 220)  
}
```

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, 217, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 217, 220) }
```

Border

The CSS property to change the border of an element to XYZ 68.1625, 70.4810, 77.7218 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, 217, 220) }
```


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

```
.border{ border-color:rgb(223, 217, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 217, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 217, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 217, 220);  
box-shadow:4px 4px 4px 4px rgb(223, 217,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1625, 70.4810, 77.7218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 217, 220) }
```

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

```
.background{ background-color: rgb(223,  
217, 220) }
```

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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