

Converting Colors

XYZ(67.6614, 70.5298, 77.4444)

Have a look what the booklet for
XYZ(67.6614, 70.5298, 77.4444)
contains.

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Color

**XYZ(67.8085, 70.6823,
77.7793)**

Conversions

Conversions Part 1

Format	Color
Hex	DDDADC
RGB	221, 218, 220
RGB Percent	87%, 85%, 86%
CMY	0.1333, 0.1451, 0.1372
CMYK	0.00, 0.01, 0.00, 0.13
HSL	320°, 4%, 86%
HSV	320°, 1%, 87%
XYZ	67.8085, 70.6823, 77.7793
YIQ	219.1250, 1.1460, 1.2580

Conversions

Conversions Part 2

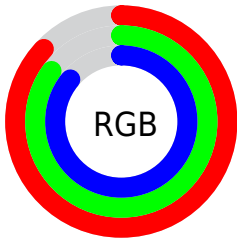
Format	Color
R _Y B	221, 218, 220
Decimal	14539484
CIE Lab	87.33, 1.38, -0.63
CIE LCh	87, 1.518, 335.514
Yxy	70.6823, 0.3135, 0.3268
Android (android.graphics.Color)	4292729564 (0xFFDDDADC)
YUV	219.1250, 0.4314, 1.6444
Hunter-Lab	84.0728, -3.1590, 3.9992

Details

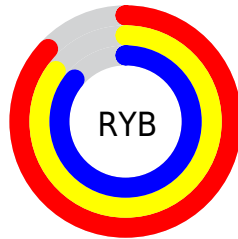
The XYZ color **67.8085, 70.6823, 77.7793** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.5588, 71.7347, 77.3070**, and the grayscale version is **67.4170, 70.9279, 77.2405**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6146, 37.0180, 40.8654** is the 20% darker color. If you saturate the color by 10%, you get **61.5005, 59.5946, 70.9633**, and if you desaturate by 10%, it is **74.9277, 83.3216, 85.0801**.

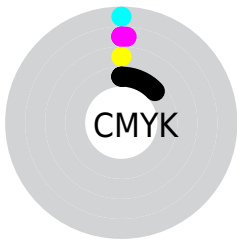
Distribution



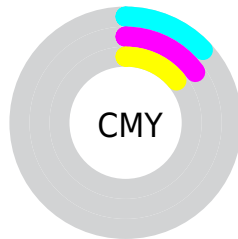
- Red (87%)
- Green (85%)
- Blue (86%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8085, 70.6823, 77.7793 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 67.8085, 70.6823, 77.7793 by changing the saturation by 10% instead.

■ 67.8085, 70.6823,
77.7793

■ 67.8085, 70.6823,
77.7793

442.2046,
462.9421, 506.9250

■ 50.0151, 52.0830,
57.3773

115.1216,
120.1812, 132.0220

■ 35.6432, 37.0712,
40.8969

145.3719,
151.8497, 166.6998

■ 24.3276, 25.2626,
27.9194

180.5052,
188.6432, 206.9733

■ 15.7029, 16.2728,
18.0264

220.8870,
230.9463, 253.2610

■ 9.4036, 9.7174,
10.7993

266.8824,
279.1434, 305.9815

■ 5.0646, 5.2120,
5.8196

318.8569,

■ 2.3204, 2.3722,

333.6187, 365.5533

2.6687

377.1759,
394.7568, 432.3950

■ 0.8051, 0.8115,
0.9276

■ 0.0000, 0.0000,
0.0000

■ 67.8085, 70.6823,
77.7793

■ 67.8085, 70.6823,
77.7793

■ 61.5005, 59.5946,
70.9633

■ 74.9277, 83.3216,
85.0801

■ 55.9672, 49.9890,
64.6146

■ 80.5391, 92.8763,
92.0928

■ 51.1781, 41.8045,
58.7212

■ 81.6258, 93.3110,
97.8152

■ 47.0981, 34.9722,
53.2686

■ 82.7572, 93.7635,
103.7731

43.6896, 29.4172,
48.2413

83.6293, 94.1124,
108.3655

40.9110, 25.0578,
43.6226

38.7160, 21.8021,
39.3940

37.0517, 19.5454,
35.5348

35.8548, 18.1620,
32.0207

Harmonies

Analogous

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



67.5812, 70.6823, 78.5735



67.8085, 70.6823, 77.7793



67.8675, 70.6823, 76.7721

Triad

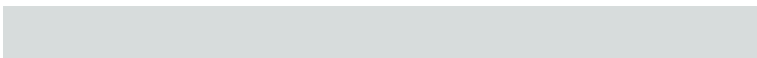
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.8085, 70.6823, 77.7793



67.1154, 70.6823, 75.0193



66.6238, 70.6823, 78.1095

Complementary

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



67.8085, 70.6823, 77.7793



67.5588, 71.7347, 77.3070

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.



66.5000, 70.6823, 77.1502



67.8085, 70.6823, 77.7793



66.7832, 70.6823, 75.3707

Square

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



67.8085, 70.6823, 77.7793



67.4665, 70.6823, 75.1845



66.5582, 70.6823, 76.1485



66.8971, 70.6823, 78.7653

Rectangle

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



67.8085, 70.6823, 77.7793



67.8033, 70.6823, 76.1167



66.5582, 70.6823, 76.1485



66.5634, 70.6823, 77.8115

Sweetspot

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



67.8105, 70.6853, 77.7808

95.0500, 100.0000, 108.9000



67.3388, 70.4268, 78.4523



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.8105, 70.6853, 77.7808



93.1717, 96.6799, 106.9279



67.6131, 70.6064, 76.7413



14.4483, 15.0059, 16.5798



20.4471, 10.1799, 17.2663



1.3640, 0.6753, 1.3260

Inverse Universe

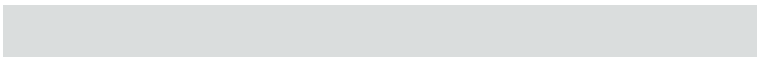
The Inverse Universe completely reimagines the original color for something new.



67.8105, 70.6853, 77.7808



93.1717, 96.6799, 106.9279



67.7568, 71.8139, 78.3497



14.4483, 15.0059, 16.5798



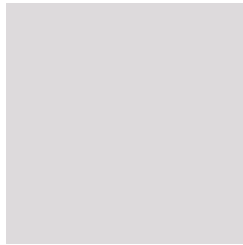
20.4471, 10.1799, 17.2663



1.3640, 0.6753, 1.3260

Previews

White Background



This preview shows how the XYZ color 67.8085, 70.6823, 77.7793 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 67.8085, 70.6823, 77.7793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

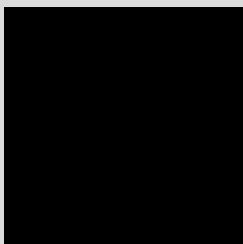
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

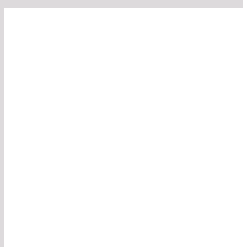
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.8085, 70.6823, 77.7793

Background



This preview shows how black text looks on a background with the XYZ color 67.8085, 70.6823, 77.7793.

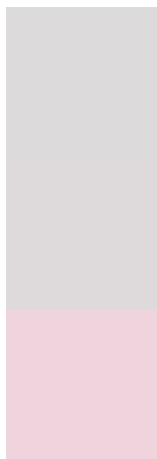


This preview shows how white text looks on a background with the XYZ color 67.8085, 70.6823, 77.7793.

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

67.8085, 70.6823, 77.7793

Protanopia

68.1139, 70.8397, 77.7936

Deuteranopia

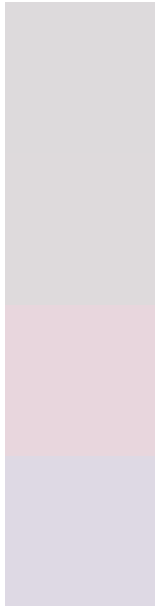
72.1912, 70.6581, 78.2401



Tritanopia

69.6953, 70.6829, 87.0606

Trichromacy



Original Color

67.8085, 70.6823, 77.7793

Protanomaly

68.1139, 70.8397, 77.7936

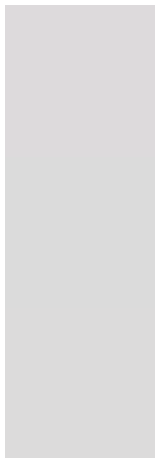
Deuteranomaly

70.3764, 70.4694, 78.2993

Tritanomaly

68.9406, 70.7567, 83.4226

Monochromacy



Original Color

67.8085, 70.6823, 77.7793

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.6329, 70.9932, 77.1562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8085, 70.6823, 77.7793 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, 218, 220) looks like.

```
.text, #text, p{  
    color:rgb(221, 218, 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(221, 218, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 218, 220) }
```

Border

The CSS property to change the border of an element to XYZ 67.8085, 70.6823, 77.7793 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, 218, 220) }
```

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

```
.border{ border-color:rgb(221, 218, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 218, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 218, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 218, 220);  
box-shadow:4px 4px 4px 4px rgb(221, 218,  
220) }
```


Background

The CSS property to change the background color of an element to XYZ 67.8085, 70.6823, 77.7793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 218, 220) }
```

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

```
.background{ background-color: rgb(221,  
218, 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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