

Converting Colors

XYZ(67.5634, 70.4556, 76.8968)

Have a look what the booklet for
XYZ(67.5634, 70.4556, 76.8968)
contains.

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Color

**XYZ(67.6764, 70.6294,
77.0837)**

Conversions

Conversions Part 1

Format	Color
Hex	DDDADB
RGB	221, 218, 219
RGB Percent	87%, 85%, 86%
CMY	0.1333, 0.1451, 0.1412
CMYK	0.00, 0.01, 0.01, 0.13
HSL	340°, 4%, 86%
HSV	340°, 1%, 87%
XYZ	67.6764, 70.6294, 77.0837
YIQ	219.0110, 1.4670, 0.9470

Conversions

Conversions Part 2

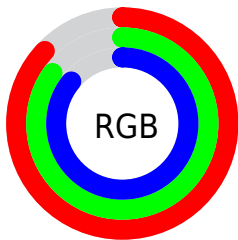
Format	Color
R _Y B	221, 218, 219
Decimal	14539483
CIE Lab	87.30, 1.20, -0.14
CIE LCh	87, 1.210, 353.402
Yxy	70.6294, 0.3142, 0.3279
Android (android.graphics.Color)	4292729563 (0xFFDDDADB)
YUV	219.0110, -0.0054, 1.7444
Hunter-Lab	84.0413, -3.3306, 4.4474

Details

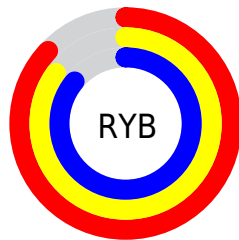
The XYZ color **67.6764, 70.6294, 77.0837** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.6908, 71.7876, 78.0025**, and the grayscale version is **67.3406, 70.8476, 77.1530**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5239, 36.9817, 40.3878** is the 20% darker color. If you saturate the color by 10%, you get **60.4668, 59.1810, 65.5199**, and if you desaturate by 10%, it is **75.8263, 83.6810, 89.8119**.

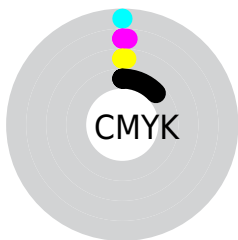
Distribution



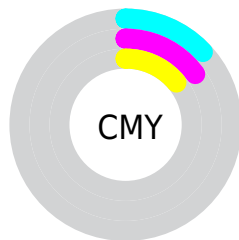
- Red (87%)
- Green (85%)
- Blue (86%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6764, 70.6294, 77.0837 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 67.6764, 70.6294, 77.0837 by changing the saturation by 10% instead.

■ 67.6764, 70.6294,
77.0837

■ 67.6764, 70.6294,
77.0837

441.7434,
462.7569, 504.4946

■ 49.9072, 52.0398,
56.8096

114.9335,
120.1059, 131.0317

■ 35.5572, 37.0368,
40.4441

145.1522,
151.7616, 165.5427

■ 24.2609, 25.2360,
27.5685

180.2515,
188.5414, 205.6364

■ 15.6531, 16.2530,
17.7645

220.5966,
230.8298, 251.7314

■ 9.3683, 9.7033,
10.6133

266.5530,
279.0112, 304.2462

■ 5.0412, 5.2027,
5.6966

318.4860,

■ 2.3065, 2.3667,

333.4699, 363.5992

2.5957

376.7610,
394.5903, 430.2092

■ 0.7980, 0.8087,
0.8902

■ 0.0000, 0.0000,
0.0000

■ 67.6764, 70.6294,
77.0837

■ 67.6764, 70.6294,
77.0837

■ 60.4668, 59.1810,
65.5199

■ 75.8263, 83.6810,
89.8119

■ 54.1571, 49.2649,
55.0824

■ 82.6011, 93.7011,
102.9512

■ 48.7125, 40.8183,
45.7378

■ 83.6293, 94.1124,
108.3655

■ 44.0940, 33.7705,
37.4491

■ 40.2592, 28.0451,
30.1772

■ 37.1619, 23.5581,
23.8803

■ 34.7508, 20.2160,
18.5136

■ 32.9676, 17.9117,
14.0280

■ 31.7431, 16.5173,
10.3687

Harmonies

Analogous

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



67.5716, 70.6294, 77.8419



67.6764, 70.6294, 77.0837



67.6348, 70.6294, 76.2824

Triad

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



67.6764, 70.6294, 77.0837



66.9139, 70.6294, 75.4735



66.8053, 70.6294, 78.1690

Complementary

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



67.6764, 70.6294, 77.0837



67.6908, 71.7876, 78.0025

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.



66.6300, 70.6294, 77.5278



67.6764, 70.6294, 77.0837



66.6926, 70.6294, 75.9725

Square

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



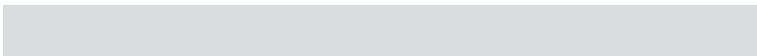
67.6764, 70.6294, 77.0837



67.1940, 70.6294, 75.3565



66.5888, 70.6294, 76.7234



67.0682, 70.6294, 78.4714

Rectangle

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



67.6764, 70.6294, 77.0837



67.5296, 70.6294, 75.8312



66.5888, 70.6294, 76.7234



66.7342, 70.6294, 77.9857

Sweetspot

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



67.6784, 70.6324, 77.0852

95.0500, 100.0000, 108.9000



67.6401, 70.5821, 78.4664



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.



67.6784, 70.6324, 77.0852



92.9012, 96.5717, 105.5037



67.6773, 70.8395, 76.4396



14.4091, 14.9902, 16.3733



18.0771, 9.2319, 4.7862



1.2103, 0.6138, 0.5164

Inverse Universe

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



67.6784, 70.6324, 77.0852



92.9012, 96.5717, 105.5037



67.6916, 71.5772, 78.6558



14.4091, 14.9902, 16.3733



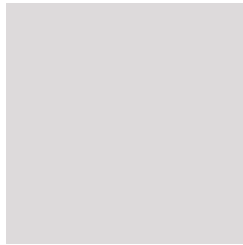
18.0771, 9.2319, 4.7862



1.2103, 0.6138, 0.5164

Previews

White Background



This preview shows how the XYZ color 67.6764, 70.6294, 77.0837 looks on a white background.

Color Contrast Check

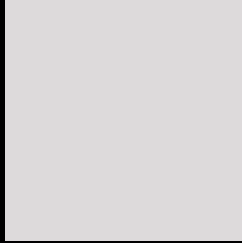
Large Text (above 18pt) WCAG AA × Fail

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 67.6764, 70.6294, 77.0837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

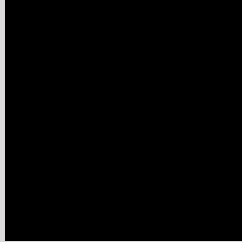
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

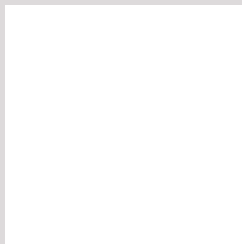
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.6764, 70.6294, 77.0837

Background



This preview shows how black text looks on a background with the XYZ color 67.6764, 70.6294, 77.0837.

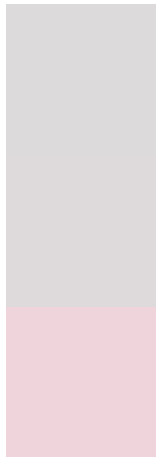


This preview shows how white text looks on a background with the XYZ color 67.6764, 70.6294,

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

67.6764, 70.6294, 77.0837

Protanopia

67.9818, 70.7869, 77.0980

Deuteranopia

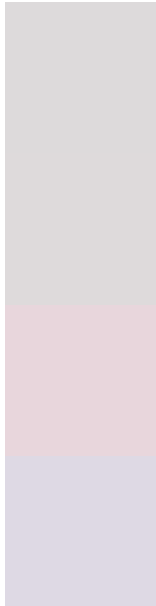
72.0584, 70.6050, 77.5404



Tritanopia

69.6953, 70.6829, 87.0606

Trichromacy



Original Color

67.6764, 70.6294, 77.0837

Protanomaly

67.9818, 70.7869, 77.0980

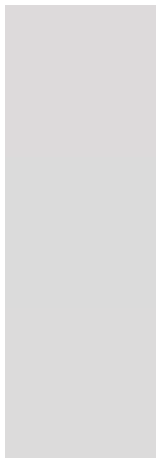
Deuteranomaly

70.2435, 70.4162, 77.5996

Tritanomaly

68.9406, 70.7567, 83.4226

Monochromacy



Original Color

67.6764, 70.6294, 77.0837

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 67.6764, 70.6294, 77.0837 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, 219) looks like.

```
.text, #text, p{  
    color:rgb(221, 218, 219)  
}
```

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, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 218, 219) }
```

Border

The CSS property to change the border of an element to XYZ 67.6764, 70.6294, 77.0837 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, 219) }
```

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

```
.border{ border-color:rgb(221, 218, 219) }
```

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, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 218, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 218, 219);  
box-shadow:4px 4px 4px 4px rgb(221, 218,  
219) }
```


Background

The CSS property to change the background color of an element to XYZ 67.6764, 70.6294, 77.0837 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, 219) }
```

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

```
.background{ background-color: rgb(221,  
218, 219) }
```

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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