

Converting Colors

XYZ(67.4285, 70.0662, 77.6963)

Have a look what the booklet for
XYZ(67.4285, 70.0662, 77.6963)
contains.

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Color

**XYZ(67.5499, 70.1652,
77.6931)**

Conversions

Conversions Part 1

Format	Color
Hex	DDD9DC
RGB	221, 217, 220
RGB Percent	87%, 85%, 86%
CMY	0.1333, 0.1490, 0.1372
CMYK	0.00, 0.02, 0.00, 0.13
HSL	315°, 6%, 86%
HSV	315°, 2%, 87%
XYZ	67.5499, 70.1652, 77.6931
YIQ	218.5380, 1.4210, 1.7810

Conversions

Conversions Part 2

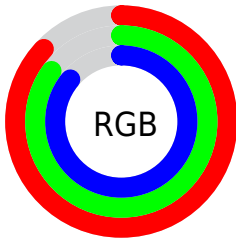
Format	Color
R _Y B	221, 217, 220
Decimal	14539228
CIE Lab	87.08, 1.90, -1.00
CIE LCh	87, 2.148, 332.294
Yxy	70.1652, 0.3136, 0.3257
Android (android.graphics.Color)	4292729308 (0xFFDDD9DC)
YUV	218.5380, 0.7208, 2.1592
Hunter-Lab	83.7647, -2.6414, 3.6428

Details

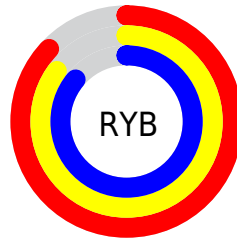
The XYZ color **67.5499, 70.1652, 77.6931** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.1292, 71.5284, 76.6015**, and the grayscale version is **67.0082, 70.4979, 76.7722**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.4377, 36.6643, 40.8065** is the 20% darker color. If you saturate the color by 10%, you get **61.5110, 59.2393, 72.1270**, and if you desaturate by 10%, it is **74.3798, 82.6324, 83.6441**.

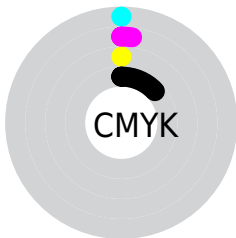
Distribution



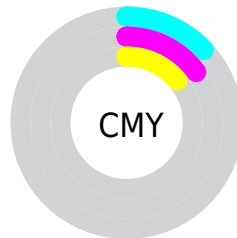
- Red (87%)
- Green (85%)
- Blue (86%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (0%)
- Black (13%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5499, 70.1652, 77.6931 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 67.5499, 70.1652, 77.6931 by changing the saturation by 10% instead.

■ 67.5499, 70.1652,
77.6931

■ 67.5499, 70.1652,
77.6931

441.3014,
461.1298, 506.6242

■ 49.8040, 51.6612,
57.3070

114.7535,
119.4443, 131.8993

■ 35.4748, 36.7351,
40.8407

144.9418,
150.9882, 166.5565

■ 24.1971, 25.0025,
27.8759

180.0084,
187.6476, 206.8077

■ 15.6054, 16.0789,
17.9939

220.3185,
229.8068, 253.0716

■ 9.3344, 9.5800,
10.7762

266.2375,
277.8502, 305.7667

■ 5.0188, 5.1214,
5.8043

318.1307,

■ 2.2932, 2.3187,

332.1623, 365.3114

2.6596

376.3636,
393.1274, 432.1244

■ 0.7912, 0.7836,
0.9230

■ 0.0000, 0.0000,
0.0000

■ 67.5499, 70.1652,
77.6931

■ 67.5499, 70.1652,
77.6931

■ 61.5110, 59.2393,
72.1270

■ 74.3798, 82.6324,
83.6441

■ 56.2269, 49.7854,
66.9300

■ 80.0116, 92.6653,
89.3156

■ 51.6671, 41.7422,
62.0918

■ 80.8055, 92.9829,
93.4961

■ 47.7970, 35.0408,
57.5995

■ 81.6243, 93.3104,
97.8079

■ 44.5790, 29.6062,
53.4394

■ 82.4682, 93.6480,
102.2519

■ 41.9717, 25.3563,
49.5966

■ 83.3375, 93.9957,
106.8294

■ 39.9291, 22.1991,
46.0544

■ 83.6292, 94.1124,
108.3655

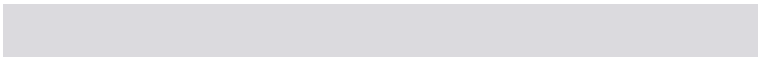
■ 38.3980, 20.0290,
42.7940

■ 37.3151, 18.7195,
39.7929

Harmonies

Analogous

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



67.2080, 70.1652, 78.7635



67.5499, 70.1652, 77.6931



67.6610, 70.1652, 76.2872

Triad

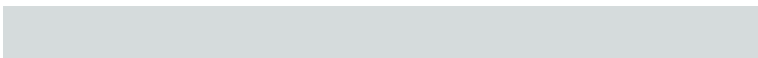
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.5499, 70.1652, 77.6931



66.6512, 70.1652, 73.6635



65.8757, 70.1652, 77.8875

Complementary

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



67.5499, 70.1652, 77.6931



67.1292, 71.5284, 76.6015

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.



65.7281, 70.1652, 76.5089



67.5499, 70.1652, 77.6931



66.1745, 70.1652, 74.0803

Square

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



67.5499, 70.1652, 77.6931



67.1406, 70.1652, 73.9717



65.8373, 70.1652, 75.1173



66.2412, 70.1652, 78.8767

Rectangle

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



67.5499, 70.1652, 77.6931



67.5888, 70.1652, 75.3520



65.8373, 70.1652, 75.1173



65.7990, 70.1652, 77.4536

Sweetspot

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



67.5519, 70.1682, 77.6946



94.1393, 98.3428, 108.0905



66.7803, 69.7551, 78.3519



20.1593, 21.0669, 23.1444



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.



67.5519, 70.1682, 77.6946



93.2397, 96.7072, 107.2864



67.2889, 70.0630, 76.3097



14.4582, 15.0098, 16.6318



21.3523, 10.5420, 22.0332



1.4170, 0.6964, 1.6047

Inverse Universe

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



67.5519, 70.1682, 77.6946



93.2397, 96.7072, 107.2864



67.3922, 71.6336, 77.9865



14.4582, 15.0098, 16.6318



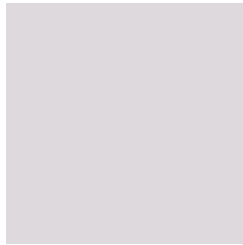
21.3523, 10.5420, 22.0332



1.4170, 0.6964, 1.6047

Previews

White Background



This preview shows how the XYZ color 67.5499, 70.1652, 77.6931 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 67.5499, 70.1652, 77.6931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

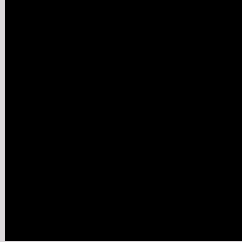
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

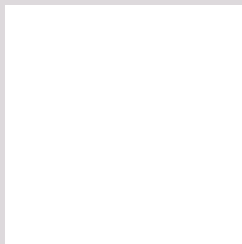
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.5499, 70.1652, 77.6931

Background



This preview shows how black text looks on a background with the XYZ color 67.5499, 70.1652, 77.6931.

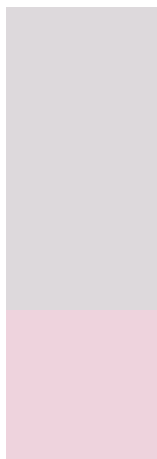


This preview shows how white text looks on a background with the XYZ color 67.5499, 70.1652,

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

67.5499, 70.1652, 77.6931

Protanopia

67.5499, 70.1652, 77.6931

Deuteranopia

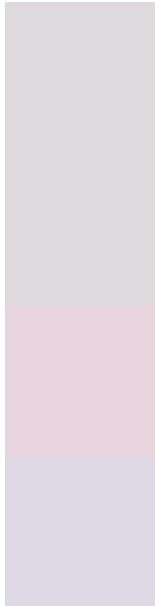
71.6053, 69.9861, 78.1413



Tritanopia

69.2974, 70.1150, 86.2251

Trichromacy



Original Color

67.5499, 70.1652, 77.6931

Protanomaly

67.5499, 70.1652, 77.6931

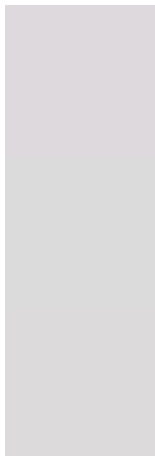
Deuteranomaly

70.1241, 69.9648, 78.2152

Tritanomaly

68.6837, 70.2428, 83.3370

Monochromacy



Original Color

67.5499, 70.1652, 77.6931

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 67.5499, 70.1652, 77.6931 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, 217, 220) looks like.

```
.text, #text, p{  
    color:rgb(221, 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(221, 217, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 217, 220) }
```

Border

The CSS property to change the border of an element to XYZ 67.5499, 70.1652, 77.6931 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, 217, 220) }
```


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

```
.border{ border-color:rgb(221, 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(221, 217, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 217, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 217, 220);  
box-shadow:4px 4px 4px 4px rgb(221, 217,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5499, 70.1652, 77.6931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 217, 220) }
```

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

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