

Converting Colors

XYZ(68.0014, 71.9580, 77.6013)

Have a look what the booklet for
XYZ(68.0014, 71.9580, 77.6013)
contains.

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Color

**XYZ(67.8561, 71.8874,
77.3171)**

Conversions

Conversions Part 1

Format	Color
Hex	DBDDDB
RGB	219, 221, 219
RGB Percent	86%, 87%, 86%
CMY	0.1412, 0.1333, 0.1412
CMYK	0.01, 0.00, 0.01, 0.13
HSL	120°, 3%, 86%
HSV	120°, 1%, 87%
XYZ	67.8561, 71.8874, 77.3171
YIQ	220.1740, -0.5500, -1.0460

Conversions

Conversions Part 2

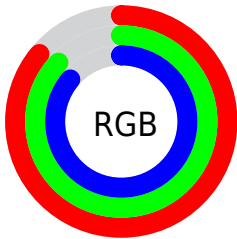
Format	Color
R _Y B	219, 221, 221
Decimal	14409179
CIE Lab	87.91, -1.03, 0.73
CIE LCh	88, 1.265, 144.608
Yxy	71.8874, 0.3126, 0.3312
Android (android.graphics.Color)	4292599259 (0xFFDBDDDB)
YUV	220.1740, -0.5788, -1.0296
Hunter-Lab	84.7864, -5.5195, 5.2837

Details

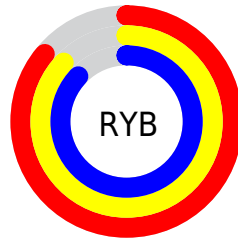
The XYZ color **67.8561, 71.8874, 77.3171** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.2040, 71.2575, 78.5695**, and the grayscale version is **68.1549, 71.7043, 78.0859**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6469, 37.8453, 40.5480** is the 20% darker color. If you saturate the color by 10%, you get **58.9251, 67.5995, 62.7062**, and if you desaturate by 10%, it is **78.0601, 76.7910, 94.0070**.

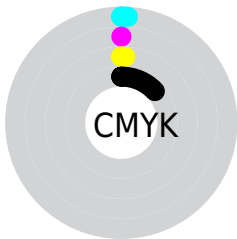
Distribution



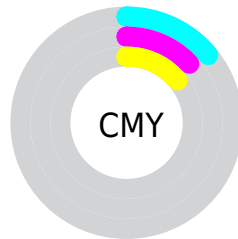
- Red (86%)
- Green (87%)
- Blue (86%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8561, 71.8874, 77.3171 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 67.8561, 71.8874, 77.3171 by changing the saturation by 10% instead.

■ 67.8561, 71.8874,
77.3171

■ 67.8561, 71.8874,
77.3171

442.3707,
467.1496, 505.3109

■ 50.0539, 53.0667,
57.0001

115.1893,
121.8964, 131.3641

■ 35.6742, 37.8560,
40.5959

145.4510,
153.8535, 165.9311

■ 24.3516, 25.8710,
27.6862

180.5967,
190.9583, 206.0852

■ 15.7208, 16.7271,
17.8522

220.9916,
233.5950, 252.2450

■ 9.4164, 10.0401,
10.6756

267.0010,
282.1481, 304.8289

■ 5.0730, 5.4256,
5.7377

318.9905,

■ 2.3254, 2.4991,

337.0019, 364.2554

2.6201

377.3253,
398.5410, 430.9433

■ 0.8076, 0.8762,
0.9028

■ 0.0000, 0.0000,
0.0000

■ 67.8561, 71.8874,
77.3171

■ 67.8561, 71.8874,
77.3171

■ 58.9251, 67.5995,
62.7062

■ 78.0601, 76.7910,
94.0070

■ 51.2115, 63.8943,
50.0885

■ 85.1478, 80.1956,
105.5993

■ 44.6643, 60.7493,
39.3790

■ 39.2268, 58.1375,
30.4849

■ 34.8377, 56.0291,
23.3056

■ 31.4293, 54.3919,
17.7307

■ 28.9264, 53.1896,
13.6371

■ 27.2429, 52.3809,
10.8838

■ 26.2758, 51.9164,
9.3023

Harmonies

Analogous

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



68.0861, 71.8874, 76.7758



67.8561, 71.8874, 77.3171



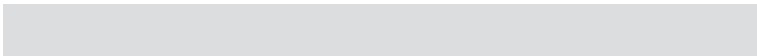
67.7522, 71.8874, 78.1175

Triad

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



67.8561, 71.8874, 77.3171



68.2724, 71.8874, 79.9349



68.8544, 71.8874, 77.5850

Complementary

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



67.8561, 71.8874, 77.3171



68.2040, 71.2575, 78.5695

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.



68.9046, 71.8874, 78.4290



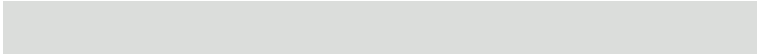
67.8561, 71.8874, 77.3171



68.5681, 71.8874, 79.7898

Square

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



67.8561, 71.8874, 77.3171



67.9922, 71.8874, 79.6322



68.7997, 71.8874, 79.2371



68.6626, 71.8874, 76.9297

Rectangle

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



67.8561, 71.8874, 77.3171



67.7683, 71.8874, 78.6919



68.7997, 71.8874, 79.2371



68.8884, 71.8874, 77.8559

Sweetspot

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



67.8581, 71.8905, 77.3187

95.0500, 100.0000, 108.9000



68.4557, 72.1855, 77.3441



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.



67.8581, 71.8905, 77.3187



93.7102, 99.3564, 106.7084



67.9860, 71.9416, 77.9922



14.5265, 15.3940, 16.5480



15.0206, 30.0409, 5.0068



0.9731, 1.9462, 0.3244

Inverse Universe

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



68.2040, 71.2575, 78.5695



94.2418, 98.3837, 108.6306



68.0754, 71.2061, 77.8918



14.6035, 15.2530, 16.8266



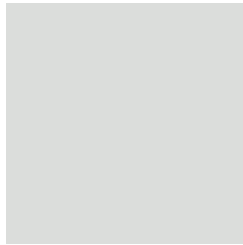
24.9003, 11.9608, 40.7347



1.6132, 0.7749, 2.6390

Previews

White Background



This preview shows how the XYZ color 67.8561, 71.8874, 77.3171 looks on a white background.

Color Contrast Check

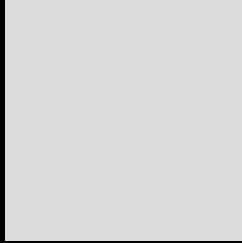
Large Text (above 18pt) WCAG AA × Fail

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 67.8561, 71.8874, 77.3171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

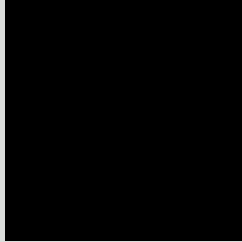
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

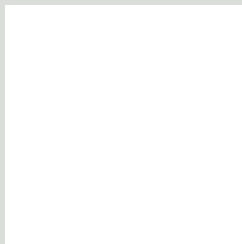
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.8561, 71.8874, 77.3171

Background



This preview shows how black text looks on a background with the XYZ color 67.8561, 71.8874, 77.3171.

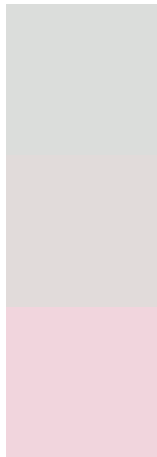


This preview shows how white text looks on a background with the XYZ color 67.8561, 71.8874,

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

67.8561, 71.8874, 77.3171

Protanopia

69.0377, 71.7325, 76.5368

Deuteranopia

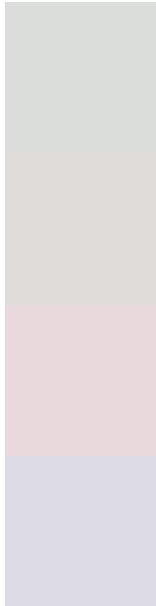
73.1210, 71.5097, 78.3555



Tritanopia

70.3359, 71.7285, 89.4948

Trichromacy



Original Color

67.8561, 71.8874, 77.3171

Protanomaly

68.6795, 71.9363, 76.5950

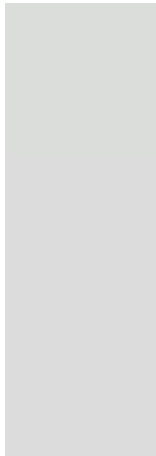
Deuteranomaly

71.0784, 71.6027, 77.7846

Tritanomaly

69.4332, 71.7484, 85.0522

Monochromacy



Original Color

67.8561, 71.8874, 77.3171

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.0267, 71.5694, 77.9390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8561, 71.8874, 77.3171 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(219, 221, 219) looks like.

```
.text, #text, p{  
    color:rgb(219, 221, 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(219, 221, 219) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 67.8561, 71.8874, 77.3171 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(219, 221, 219) }
```

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

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

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

Here you see how a box with a 4 pixel `rgb(219, 221, 219)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to XYZ 67.8561, 71.8874, 77.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 221, 219) }
```

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

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