

Converting Colors

XYZ(67.8943, 70.9270, 77.5820)

Have a look what the booklet for
XYZ(67.8943, 70.9270, 77.5820)
contains.

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Color

**XYZ(68.0686, 71.2025,
77.8660)**

Conversions

Conversions Part 1

Format	Color
Hex	DDDBDC
RGB	221, 219, 220
RGB Percent	87%, 86%, 86%
CMY	0.1333, 0.1412, 0.1372
CMYK	0.00, 0.01, 0.00, 0.13
HSL	330°, 3%, 86%
HSV	330°, 1%, 87%
XYZ	68.0686, 71.2025, 77.8660
YIQ	219.7120, 0.8710, 0.7350

Conversions

Conversions Part 2

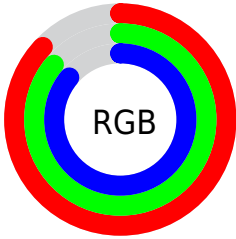
Format	Color
R _Y B	221, 219, 220
Decimal	14539740
CIE Lab	87.58, 0.86, -0.26
CIE LCh	88, 0.900, 343.240
Yxy	71.2025, 0.3135, 0.3279
Android (android.graphics.Color)	4292729820 (0xFFDDDBDC)
YUV	219.7120, 0.1420, 1.1296
Hunter-Lab	84.3816, -3.6761, 4.3552

Details

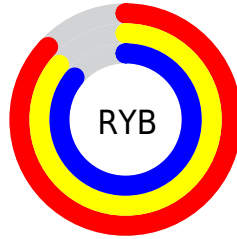
The XYZ color **68.0686, 71.2025, 77.8660** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.9908, 71.9422, 78.0165**, and the grayscale version is **67.8271, 71.3594, 77.7104**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.7929, 37.3745, 40.9248** is the 20% darker color. If you saturate the color by 10%, you get **61.2640, 59.8618, 68.6022**, and if you desaturate by 10%, it is **75.7398, 84.1190, 87.8995**.

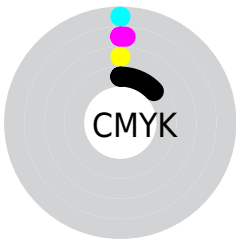
Distribution



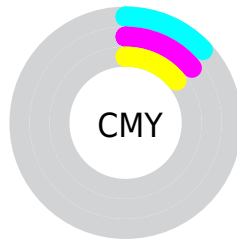
- Red (87%)
- Green (86%)
- Blue (86%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.0686, 71.2025, 77.8660 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 68.0686, 71.2025, 77.8660 by changing the saturation by 10% instead.

■ 68.0686, 71.2025,
77.8660

■ 68.0686, 71.2025,
77.8660

443.1119,
464.7610, 507.2275

■ 50.2274, 52.5075,
57.4481

115.4916,
120.9220, 132.1454

■ 35.8127, 37.4097,
40.9534

145.8042,
152.7153, 166.8439

■ 24.4590, 25.5249,
27.9632

181.0047,
189.6434, 207.1398

■ 15.8010, 16.4685,
18.0591

221.4583,
232.0908, 253.4515

■ 9.4734, 9.8563,
10.8226

267.5305,
280.4419, 306.1975

■ 5.1108, 5.3038,
5.8350

319.5866,

■ 2.3479, 2.4266,

335.0810, 365.7965

2.6778

377.9920,
396.3926, 432.6670

■ 0.8190, 0.8395,
0.9322

■ 0.0000, 0.0000,
0.0000

■ 68.0686, 71.2025,
77.8660

■ 68.0686, 71.2025,
77.8660

■ 61.2640, 59.8618,
68.6022

■ 75.7398, 84.1190,
87.8995

■ 55.2882, 50.0272,
60.0837

■ 81.6278, 93.3118,
97.8258

■ 50.1093, 41.6372,
52.2913

■ 83.3429, 93.9979,
106.8578

■ 45.6912, 34.6225,
45.2031

■ 83.6293, 94.1124,
108.3655

■ 41.9947, 28.9081,
38.7960

■ 38.9770, 24.4118,
33.0452

■ 36.5905, 21.0418,
27.9240

■ 34.7808, 18.6934,
23.4030

■ 33.4836, 17.2413,
19.4488

Harmonies

Analogous

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



67.9567, 71.2025, 78.3847



68.0686, 71.2025, 77.8660



68.0751, 71.2025, 77.2592

Triad

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



68.0686, 71.2025, 77.8660



67.5821, 71.2025, 76.3917



67.3780, 71.2025, 78.3334

Complementary

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



68.0686, 71.2025, 77.8660



67.9908, 71.9422, 78.0165

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.



67.2781, 71.2025, 77.7963



68.0686, 71.2025, 77.8660



67.3958, 71.2025, 76.6764

Square

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



68.0686, 71.2025, 77.8660



67.7940, 71.2025, 76.4102



67.2846, 71.2025, 77.1898



67.5579, 71.2025, 78.6555

Rectangle

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



68.0686, 71.2025, 77.8660



68.0188, 71.2025, 76.8865



67.2846, 71.2025, 77.1898



67.3340, 71.2025, 78.1719

Sweetspot

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



68.0706, 71.2056, 77.8676

95.0500, 100.0000, 108.9000



67.9005, 71.1025, 78.5531



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.



68.0706, 71.2056, 77.8676



94.0369, 98.3018, 107.5511



67.9390, 71.1529, 77.1746



14.5738, 15.2411, 16.6702



19.0237, 9.6105, 9.7706



1.2759, 0.6400, 0.8620

Inverse Universe

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



68.0706, 71.2056, 77.8676



94.0369, 98.3018, 107.5511



68.1232, 71.9951, 78.7136



14.5738, 15.2411, 16.6702



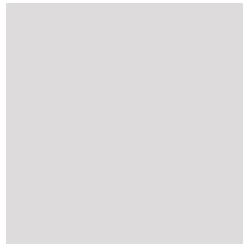
19.0237, 9.6105, 9.7706



1.2759, 0.6400, 0.8620

Previews

White Background



This preview shows how the XYZ color 68.0686, 71.2025, 77.8660 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 68.0686, 71.2025, 77.8660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

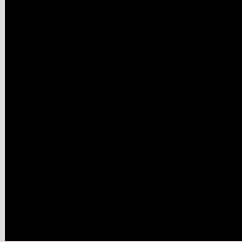
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

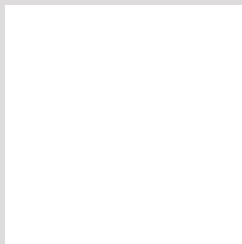
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.0686, 71.2025, 77.8660

Background



This preview shows how black text looks on a background with the XYZ color 68.0686, 71.2025, 77.8660.

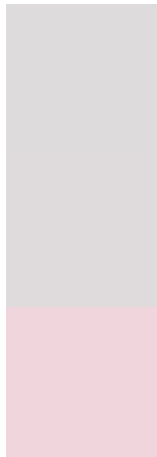


This preview shows how white text looks on a background with the XYZ color 68.0686, 71.2025, 77.8660.

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

68.0686, 71.2025, 77.8660

Protanopia

68.4211, 70.9981, 77.8080

Deuteranopia

72.7806, 71.3342, 78.3395



Tritanopia

70.0956, 71.2542, 87.9009

Trichromacy



Original Color

68.0686, 71.2025, 77.8660

Protanomaly

68.1139, 70.8397, 77.7936

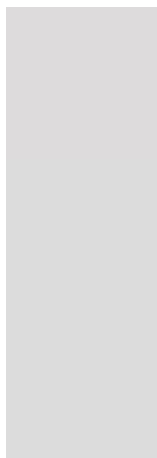
Deuteranomaly

70.9559, 71.1450, 78.3992

Tritanomaly

69.3385, 71.3295, 84.2422

Monochromacy



Original Color

68.0686, 71.2025, 77.8660

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 68.0686, 71.2025, 77.8660 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, 219, 220) looks like.

```
.text, #text, p{  
    color:rgb(221, 219, 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, 219, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 219, 220) }
```

Border

The CSS property to change the border of an element to XYZ 68.0686, 71.2025, 77.8660 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, 219, 220) }
```

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

```
.border{ border-color:rgb(221, 219, 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, 219, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 219, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 219, 220);  
box-shadow:4px 4px 4px 4px rgb(221, 219,  
220) }
```


Background

The CSS property to change the background color of an element to XYZ 68.0686, 71.2025, 77.8660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 219, 220) }
```

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

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