

Converting Colors

XYZ(69.8139, 73.3486, 80.2911)

Have a look what the booklet for
XYZ(69.8139, 73.3486, 80.2911)
contains.

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Color

**XYZ(69.8720, 73.2582,
80.2696)**

Conversions

Conversions Part 1

Format	Color
Hex	DFDEDF
RGB	223, 222, 223
RGB Percent	87%, 87%, 87%
CMY	0.1255, 0.1294, 0.1255
CMYK	0.00, 0.00, 0.00, 0.13
HSL	300°, 2%, 87%
HSV	300°, 0%, 87%
XYZ	69.8720, 73.2582, 80.2696
YIQ	222.4130, 0.2750, 0.5230

Conversions

Conversions Part 2

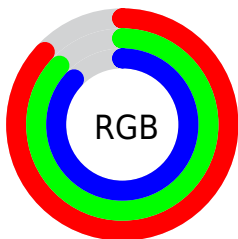
Format	Color
R _Y B	223, 222, 223
Decimal	14671583
CIE Lab	88.57, 0.52, -0.38
CIE LCh	89, 0.645, 324.039
Yxy	73.2582, 0.3128, 0.3279
Android (android.graphics.Color)	4292861663 (0xFFDFDEDF)
YUV	222.4130, 0.2894, 0.5148
Hunter-Lab	85.5910, -4.0662, 4.3099

Details

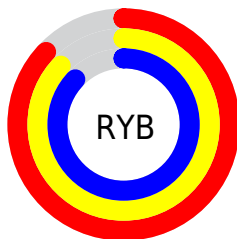
The XYZ color **69.8720, 73.2582, 80.2696** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.6994, 73.5809, 79.6400**, and the grayscale version is **69.7227, 73.3538, 79.8822**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.0350, 38.7894, 42.5809** is the 20% darker color. If you saturate the color by 10%, you get **64.3370, 62.1879, 78.4233**, and if you desaturate by 10%, it is **76.1945, 85.9015, 82.3802**.

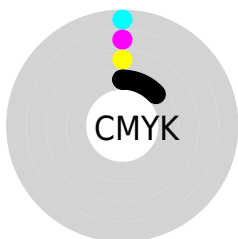
Distribution



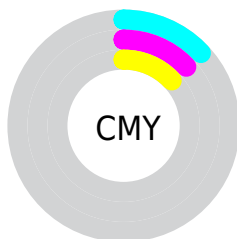
- Red (87%)
- Green (87%)
- Blue (87%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8720, 73.2582, 80.2696 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 69.8720, 73.2582, 80.2696 by changing the saturation by 10% instead.

■ 69.8720, 73.2582,
80.2696

■ 69.8720, 73.2582,
80.2696

449.3739,
471.9092, 515.5716

■ 51.7014, 54.1871,
59.4128

118.0535,
123.8437, 135.5595

■ 36.9904, 38.7513,
42.5233

148.7950,
156.1269, 170.8297

■ 25.3737, 26.5663,
29.1826

184.4577,
193.5829, 211.7414

■ 16.4859, 17.2478,
18.9723

225.4067,
236.5961, 258.7132

■ 9.9617, 10.4113,
11.4736

272.0075,
285.5510, 312.1635

■ 5.4356, 5.6725,
6.2682

324.6254,

■ 2.5424, 2.6470,

340.8319, 372.5110

2.9374

383.6257,
402.8231, 440.1742

■ 0.9167, 0.9503,
1.0628

■ 0.0000, 0.0000,
0.0000

■ 69.8720, 73.2582,
80.2696

■ 69.8720, 73.2582,
80.2696

■ 64.3370, 62.1879,
78.4233

■ 76.1945, 85.9015,
82.3802

■ 59.5528, 52.6201,
76.8263

■ 79.5123, 92.5364,
83.4884

■ 55.4889, 44.4931,
75.4695

■ 79.5128, 92.5366,
83.4907

■ 52.1104, 37.7369,
74.3411

■ 79.5132, 92.5367,
83.4931

49.3797, 32.2762,
73.4287

79.5137, 92.5369,
83.4954

47.2552, 28.0280,
72.7183

79.5141, 92.5371,
83.4978

45.6909, 24.9000,
72.1947

79.5146, 92.5373,
83.5001

44.6338, 22.7866,
71.8401

79.5150, 92.5375,
83.5025

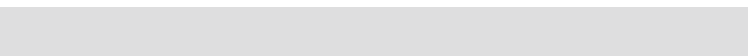
44.0212, 21.5620,
71.6337

79.5154, 92.5376,
83.5049

Harmonies

Analogous

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



69.7516, 73.2582, 80.5503



69.8720, 73.2582, 80.2696



69.9275, 73.2582, 79.8547

Triad

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



69.8720, 73.2582, 80.2696



69.6608, 73.2582, 78.9171



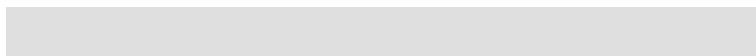
69.3570, 73.2582, 80.1150

Complementary

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



69.8720, 73.2582, 80.2696



69.6994, 73.5809, 79.6400

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.



69.3328, 73.2582, 79.6768



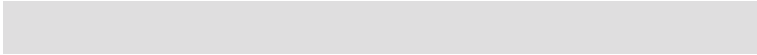
69.8720, 73.2582, 80.2696



69.5080, 73.2582, 78.9863

Square

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



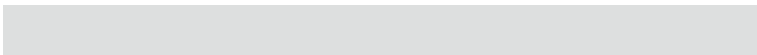
69.8720, 73.2582, 80.2696



69.8054, 73.2582, 79.0747



69.3880, 73.2582, 79.2640



69.4543, 73.2582, 80.4608

Rectangle

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



69.8720, 73.2582, 80.2696



69.9202, 73.2582, 79.5582



69.3880, 73.2582, 79.2640



69.3401, 73.2582, 79.9736

Sweetspot

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



69.8741, 73.2613, 80.2712

95.0500, 100.0000, 108.9000



69.5680, 73.1035, 80.2570



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.



69.8741, 73.2613, 80.2712



94.2418, 98.3838, 108.6303



69.8070, 73.2345, 79.9180



15.3363, 16.0181, 17.6711



25.7221, 12.3559, 42.0640



1.7829, 0.8565, 2.9158

Inverse Universe

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



69.8741, 73.2613, 80.2712



94.2418, 98.3838, 108.6303



69.7663, 73.6076, 79.9921



15.3363, 16.0181, 17.6711



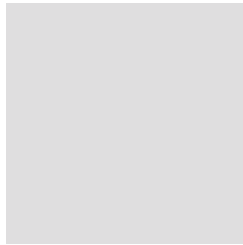
25.7221, 12.3559, 42.0640



1.7829, 0.8565, 2.9158

Previews

White Background



This preview shows how the XYZ color 69.8720, 73.2582, 80.2696 looks on a white background.

Color Contrast Check

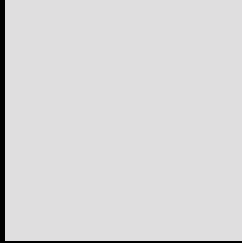
Large Text (above 18pt) WCAG AA × Fail

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 69.8720, 73.2582, 80.2696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

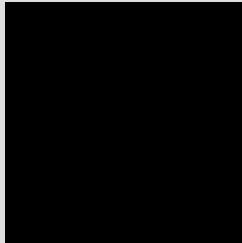
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

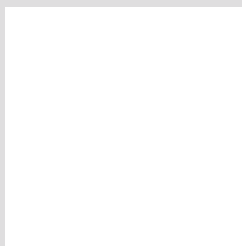
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.8720, 73.2582, 80.2696

Background



This preview shows how black text looks on a background with the XYZ color 69.8720, 73.2582, 80.2696.



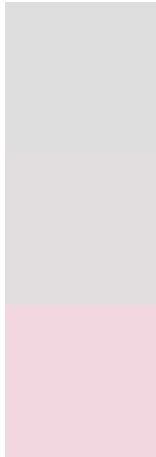
This preview shows how white text looks on a background with the XYZ color 69.8720, 73.2582,

80.2696.

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

69.8720, 73.2582, 80.2696

Protanopia

70.4053, 73.1556, 79.5169

Deuteranopia

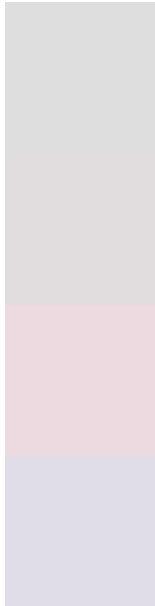
74.7171, 73.0374, 80.6806



Tritanopia

71.9306, 73.3084, 90.4795

Trichromacy



Original Color

69.8720, 73.2582, 80.2696

Protanomaly

70.0926, 72.9944, 79.5023

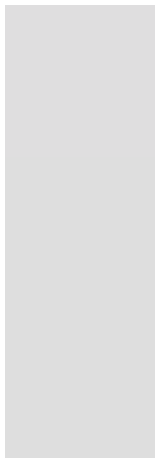
Deuteranomaly

73.1180, 73.3575, 80.8267

Tritanomaly

71.1624, 73.3864, 86.7583

Monochromacy



Original Color

69.8720, 73.2582, 80.2696

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.4303, 73.0461, 79.5472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8720, 73.2582, 80.2696 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(223, 222, 223)` looks like.

```
.text, #text, p{  
    color:rgb(223, 222, 223)  
}
```

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(223, 222, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 222, 223) }
```

Border

The CSS property to change the border of an element to XYZ 69.8720, 73.2582, 80.2696 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(223, 222, 223) }
```

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

```
.border{ border-color:rgb(223, 222, 223) }
```

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

Here you see how a box with a 4 pixel rgb(223, 222, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 222, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 222, 223);  
box-shadow:4px 4px 4px 4px rgb(223, 222,  
223) }
```


Background

The CSS property to change the background color of an element to XYZ 69.8720, 73.2582, 80.2696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 222, 223) }
```

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

```
.background{ background-color: rgb(223,  
222, 223) }
```

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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