

Converting Colors

XYZ(67.6414, 71.6177, 78.6406)

Have a look what the booklet for
XYZ(67.6414, 71.6177, 78.6406)
contains.

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Color

**XYZ(67.8210, 71.8388,
78.6983)**

Conversions

Conversions Part 1

Format	Color
Hex	DADDDD
RGB	218, 221, 221
RGB Percent	85%, 87%, 87%
CMY	0.1451, 0.1333, 0.1333
CMYK	0.01, 0.00, 0.00, 0.13
HSL	180°, 4%, 86%
HSV	180°, 1%, 87%
XYZ	67.8210, 71.8388, 78.6983
YIQ	220.1030, -1.7880, -0.6360

Conversions

Conversions Part 2

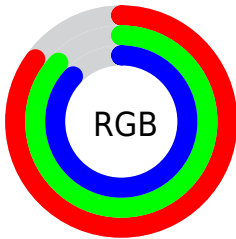
Format	Color
R_{YB}	218, 220, 221
Decimal	14343645
CIE Lab	87.89, -1.01, -0.36
CIE LCh	88, 1.071, 199.881
Yxy	71.8388, 0.3106, 0.3290
Android (android.graphics.Color)	4292533725 (0xFFDADDDD)
YUV	220.1030, 0.4422, -1.8443
Hunter-Lab	84.7578, -5.4950, 4.2792

Details

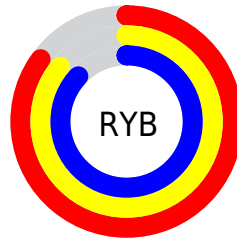
The XYZ color **67.8210, 71.8388, 78.6983** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.5477, 70.5787, 76.3961**, and the grayscale version is **68.0990, 71.6455, 78.0219**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6234, 37.8121, 41.4973** is the 20% darker color. If you saturate the color by 10%, you get **61.6446, 68.6572, 78.3912**, and if you desaturate by 10%, it is **74.8827, 75.4808, 79.0498**.

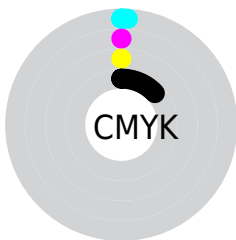
Distribution



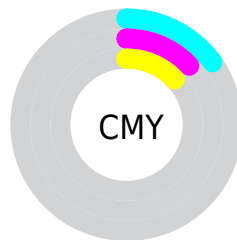
- Red (85%)
- Green (87%)
- Blue (87%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8210, 71.8388, 78.6983 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 67.8210, 71.8388, 78.6983 by changing the saturation by 10% instead.

■ 67.8210, 71.8388,
78.6983

■ 67.8210, 71.8388,
78.6983

442.2482,
466.9803, 510.1257

■ 50.0253, 53.0270,
58.1279

115.1394,
121.8273, 133.3289

■ 35.6514, 37.8243,
41.4961

145.3927,
153.7728, 168.2261

■ 24.3339, 25.8464,
28.3843

180.5293,
190.8650, 208.7361

■ 15.7076, 16.7087,
18.3740

220.9144,
233.4883, 255.2774

■ 9.4070, 10.0271,
11.0466

266.9136,
282.0271, 308.2684

■ 5.0668, 5.4169,
5.9836

318.8920,

■ 2.3217, 2.4939,

336.8658, 368.1278

2.7665

377.2151,
398.3887, 435.2740

■ 0.8057, 0.8736,
0.9767

■ 0.0000, 0.0000,
0.0000

■ 67.8210, 71.8388,
78.6983

■ 67.8210, 71.8388,
78.6983

■ 61.6446, 68.6572,
78.3912

■ 74.8827, 75.4808,
79.0498

■ 56.3128, 65.9090,
78.1222

■ 80.1567, 78.1992,
79.3161

■ 51.7907, 63.5782,
77.8910

■ 80.1604, 78.2007,
79.3358

■ 48.0388, 61.6445,
77.6959

■ 80.1642, 78.2022,
79.3555

45.0140, 60.0856,
77.5349

80.1679, 78.2037,
79.3752

42.6693, 58.8773,
77.4057

80.1716, 78.2052,
79.3949

40.9520, 57.9924,
77.3058

80.1754, 78.2067,
79.4146

39.8016, 57.3998,
77.2325

80.1791, 78.2082,
79.4344

39.1460, 57.0622,
77.1823

80.1829, 78.2097,
79.4541

Harmonies

Analogous

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



67.7995, 71.8388, 77.9740



67.8210, 71.8388, 78.6983



67.9655, 71.8388, 79.2980

Triad

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



67.8210, 71.8388, 78.6983



68.6559, 71.8388, 79.1277



68.3667, 71.8388, 76.8473

Complementary

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



67.8210, 71.8388, 78.6983



67.5477, 70.5787, 76.3961

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.



68.5968, 71.8388, 77.1523



67.8210, 71.8388, 78.6983



68.7640, 71.8388, 78.4670

Square

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



67.8210, 71.8388, 78.6983



68.4473, 71.8388, 79.5470



68.7423, 71.8388, 77.7441



68.1142, 71.8388, 76.9083

Rectangle

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



67.8210, 71.8388, 78.6983



68.1123, 71.8388, 79.5450



68.7423, 71.8388, 77.7441



68.4493, 71.8388, 76.9103

Sweetspot

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



67.8230, 71.8419, 78.6999

95.0500, 100.0000, 108.9000



67.4417, 71.6911, 76.6138



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

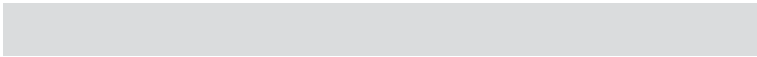
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.8230, 71.8419, 78.6999



93.1975, 99.0451, 108.8079



67.4418, 71.0786, 78.5753



14.4520, 15.3488, 16.8523



22.5806, 33.0649, 44.8185



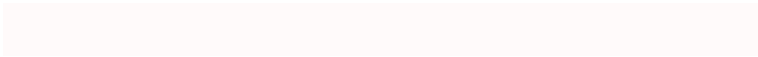
1.4631, 2.1422, 2.9048

Inverse Universe

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



67.5477, 70.5787, 76.3961



92.6352, 96.4653, 104.1029



67.9254, 71.3349, 76.5195



14.3705, 14.9748, 16.1701



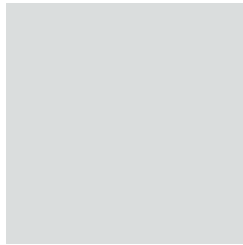
17.3234, 8.9304, 0.8170



1.1225, 0.5787, 0.0542

Previews

White Background



This preview shows how the XYZ color 67.8210, 71.8388, 78.6983 looks on a white background.

Color Contrast Check

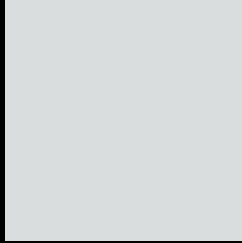
Large Text (above 18pt) WCAG AA × Fail

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 67.8210, 71.8388, 78.6983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

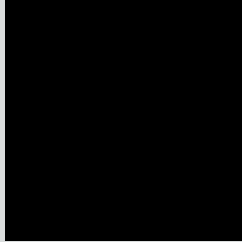
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

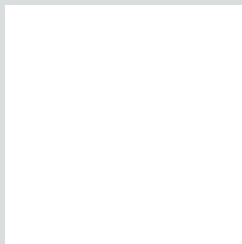
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.8210, 71.8388, 78.6983

Background



This preview shows how black text looks on a background with the XYZ color 67.8210, 71.8388, 78.6983.

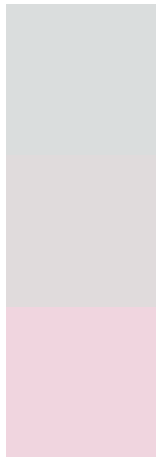


This preview shows how white text looks on a background with the XYZ color 67.8210, 71.8388,

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

67.8210, 71.8388, 78.6983

Protanopia

68.9903, 71.6776, 77.9091

Deuteranopia

73.0487, 71.4415, 79.7515



Tritanopia

69.9870, 71.9348, 89.5530

Trichromacy



Original Color

67.8210, 71.8388, 78.6983

Protanomaly

68.6357, 71.8833, 77.9675

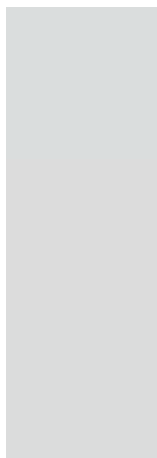
Deuteranomaly

71.0194, 71.5415, 79.1730

Tritanomaly

69.2304, 72.0160, 85.8529

Monochromacy



Original Color

67.8210, 71.8388, 78.6983

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

67.7249, 71.4138, 77.9249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8210, 71.8388, 78.6983 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(218, 221, 221) looks like.

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

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(218, 221, 221) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 67.8210, 71.8388, 78.6983 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(218, 221, 221) }
```

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

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

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

Here you see how a box with a 4 pixel `rgb(218, 221, 221)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to XYZ 67.8210, 71.8388, 78.6983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 221, 221) }
```

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

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

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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