

Converting Colors

XYZ(67.6469, 73.0885, 78.6837)

Have a look what the booklet for
XYZ(67.6469, 73.0885, 78.6837)
contains.

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Color

**XYZ(67.7311, 72.9788,
78.9231)**

Conversions

Conversions Part 1

Format	Color
Hex	D7E0DD
RGB	215, 224, 221
RGB Percent	84%, 88%, 87%
CMY	0.1569, 0.1215, 0.1333
CMYK	0.04, 0.00, 0.01, 0.12
HSL	160°, 13%, 86%
HSV	160°, 4%, 88%
XYZ	67.7311, 72.9788, 78.9231
YIQ	220.9670, -4.4010, -2.8410

Conversions

Conversions Part 2

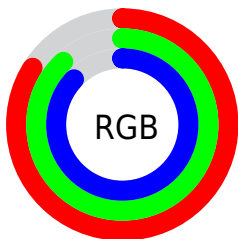
Format	Color
R _Y B	215, 220, 224
Decimal	14147805
CIE Lab	88.44, -3.56, 0.41
CIE LCh	88, 3.584, 173.470
Yxy	72.9788, 0.3084, 0.3323
Android (android.graphics.Color)	4292337885 (0xFFD7E0DD)
YUV	220.9670, 0.0163, -5.2331
Hunter-Lab	85.4276, -7.9750, 5.0237

Details

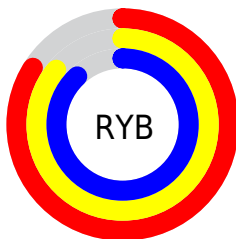
The XYZ color **67.7311, 72.9788, 78.9231** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.6984, 69.5120, 76.1822**, and the grayscale version is **68.7079, 72.2861, 78.7195**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.5681, 38.6027, 41.6528** is the 20% darker color. If you saturate the color by 10%, you get **60.6253, 69.4302, 73.5094**, and if you desaturate by 10%, it is **75.7860, 77.0157, 84.6156**.

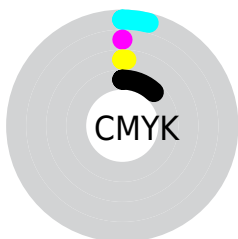
Distribution



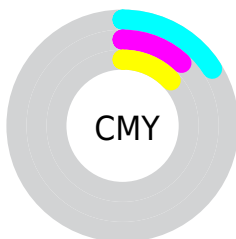
- Red (84%)
- Green (88%)
- Blue (87%)



- Red (84%)
- Yellow (86%)
- Blue (88%)



- Cyan (4%)
- Magenta (0%)
- Yellow (1%)
- Black (12%)



- Cyan (16%)
- Magenta (12%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7311, 72.9788, 78.9231 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 67.7311, 72.9788, 78.9231 by changing the saturation by 10% instead.

■ 67.7311, 72.9788,
78.9231

■ 67.7311, 72.9788,
78.9231

441.9344,
470.9413, 510.9069

■ 49.9519, 53.9586,
58.3116

115.0114,
123.4471, 133.6483

■ 35.5928, 38.5686,
41.6429

145.2432,
155.6640, 168.5991

■ 24.2885, 26.4243,
28.4983

180.3566,
193.0487, 209.1667

■ 15.6737, 17.1413,
18.4593

220.7169,
235.9854, 255.7698

■ 9.3829, 10.3353,
11.1074

266.6894,
284.8587, 308.8268

■ 5.0509, 5.6218,
6.0240

318.6396,

■ 2.3122, 2.6165,

340.0528, 368.7563

2.7907

376.9328,
401.9522, 435.9768

■ 0.8009, 0.9350,
0.9888

■ 0.0000, 0.0000,
0.0000

■ 67.7311, 72.9788,
78.9231

■ 67.7311, 72.9788,
78.9231

■ 60.6253, 69.4302,
73.5094

■ 75.7860, 77.0157,
84.6156

■ 54.4254, 66.3414,
68.3649


■ 83.0297, 80.6271,
90.5030


■ 49.0941, 63.6955,
63.4865


■ 84.1382, 81.0705,
96.3404


■ 44.5891, 61.4706,
58.8690


■ 85.2927, 81.5323,
102.4199


 40.8642, 59.6431,
54.5071

 85.9470, 81.7941,
105.8657

 37.8689, 58.1868,
50.3953

 35.5461, 57.0726,
46.5275

 33.8300, 56.2665,
42.8973

 32.6406, 55.7273,
39.4976

Harmonies

Analogous

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



68.0414, 72.9788, 76.6704



67.7311, 72.9788, 78.9231



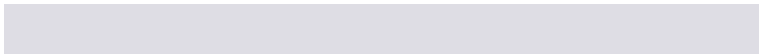
67.8555, 72.9788, 81.3663

Triad

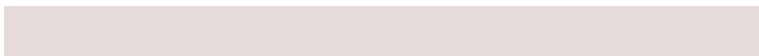
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.7311, 72.9788, 78.9231



70.0261, 72.9788, 83.8938



70.3550, 72.9788, 75.7094

Complementary

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



67.7311, 72.9788, 78.9231



67.6984, 69.5120, 76.1822

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.



70.8950, 72.9788, 77.5867



67.7311, 72.9788, 78.9231



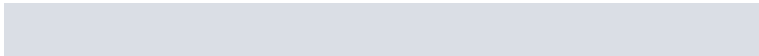
70.7040, 72.9788, 82.3195

Square

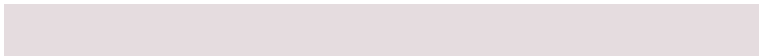
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



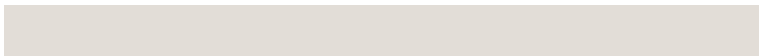
67.7311, 72.9788, 78.9231



69.1759, 72.9788, 84.2695



71.0233, 72.9788, 80.0024



69.5528, 72.9788, 74.8400

Rectangle

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



67.7311, 72.9788, 78.9231



68.1687, 72.9788, 82.7708



71.0233, 72.9788, 80.0024



70.5735, 72.9788, 76.2416

Sweetspot

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



67.7332, 72.9819, 78.9247



93.9814, 99.4649, 108.1367



67.8821, 73.1494, 74.8325



20.1271, 21.2952, 23.1538



0.0000, 0.0000, 0.0000



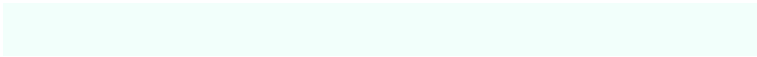
20.3446, 21.4041, 23.3091

Same Dimension

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



67.7332, 72.9819, 78.9247



89.8365, 97.3906, 105.1209



67.7755, 72.4204, 80.9310



14.5091, 15.7890, 17.0217



18.7414, 32.3214, 22.1588



1.3401, 2.2568, 1.7520

Inverse Universe

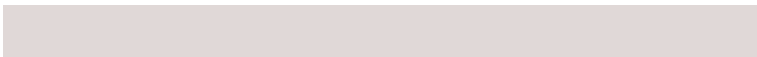
The Inverse Universe completely reimagines the original color for something new.



67.6984, 69.5120, 76.1822



89.7785, 91.5980, 100.5427



67.6542, 70.0468, 74.2456



14.4985, 14.7333, 16.1873



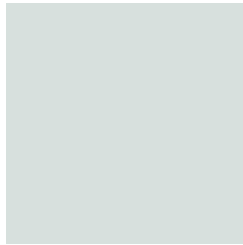
18.6748, 9.5369, 4.9530



1.3350, 0.6773, 0.5570

Previews

White Background



This preview shows how the XYZ color 67.7311, 72.9788, 78.9231 looks on a white background.

Color Contrast Check

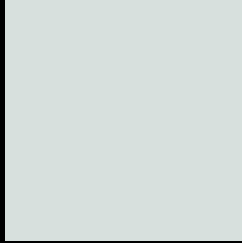
Large Text (above 18pt) WCAG AA × Fail

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 67.7311, 72.9788, 78.9231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

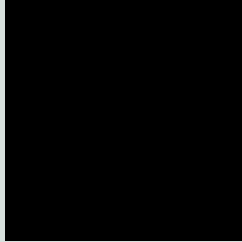
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

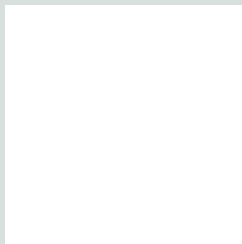
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7311, 72.9788, 78.9231

Background



This preview shows how black text looks on a background with the XYZ color 67.7311, 72.9788, 78.9231.



This preview shows how white text looks on a background with the XYZ color 67.7311, 72.9788,

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

67.7311, 72.9788, 78.9231

Protanopia

70.0067, 72.9961, 77.4177

Deuteranopia

74.2377, 72.8058, 79.9522



Tritanopia

70.3499, 72.8503, 92.0150

Trichromacy



Original Color

67.7311, 72.9788, 78.9231

Protanomaly

69.1637, 72.9395, 78.1435

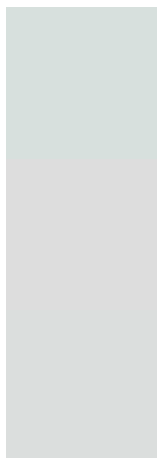
Deuteranomaly

71.5349, 72.5725, 79.3448

Tritanomaly

69.3020, 72.8205, 86.7471

Monochromacy



Original Color

67.7311, 72.9788, 78.9231

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.3858, 72.5231, 78.8006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7311, 72.9788, 78.9231 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(215, 224, 221) looks like.

```
.text, #text, p{  
    color:rgb(215, 224, 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(215, 224, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 224, 221) }
```

Border

The CSS property to change the border of an element to XYZ 67.7311, 72.9788, 78.9231 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(215, 224, 221) }
```


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

```
.border{ border-color:rgb(215, 224, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 224, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 224, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 224, 221);  
box-shadow:4px 4px 4px 4px rgb(215, 224,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7311, 72.9788, 78.9231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 224, 221) }
```

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

```
.background{ background-color: rgb(215,  
224, 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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