

Converting Colors

XYZ(69.9684, 72.6509, 88.2480)

Have a look what the booklet for
XYZ(69.9684, 72.6509, 88.2480)
contains.

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Color

**XYZ(69.9212, 72.7135,
88.1918)**

Conversions

Conversions Part 1

Format	Color
Hex	DBDDEA
RGB	219, 221, 234
RGB Percent	86%, 87%, 92%
CMY	0.1412, 0.1333, 0.0823
CMYK	0.06, 0.06, 0.00, 0.08
HSL	232°, 26%, 89%
HSV	232°, 6%, 92%
XYZ	69.9212, 72.7135, 88.1918
YIQ	221.8840, -5.3650, 3.6190

Conversions

Conversions Part 2

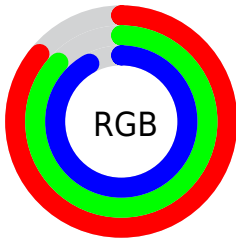
Format	Color
R _Y B	219, 221, 234
Decimal	14409194
CIE Lab	88.31, 1.75, -6.59
CIE LCh	88, 6.813, 284.866
Yxy	72.7135, 0.3029, 0.3150
Android (android.graphics.Color)	4292599274 (0xFFDBDDEA)
YUV	221.8840, 5.9732, -2.5293
Hunter-Lab	85.2722, -2.8606, -1.6295

Details

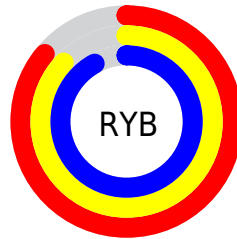
The XYZ color **69.9212, 72.7135, 88.1918** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **75.5748, 80.3196, 78.5392**, and the grayscale version is **69.3130, 72.9227, 79.4128**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9819, 38.3793, 47.5783** is the 20% darker color. If you saturate the color by 10%, you get **58.3368, 59.2705, 86.2087**, and if you desaturate by 10%, it is **83.1460, 87.9657, 90.4399**.

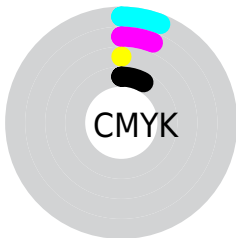
Distribution



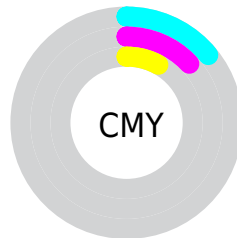
- Red (86%)
- Green (87%)
- Blue (92%)



- Red (86%)
- Yellow (87%)
- Blue (92%)



- Cyan (6%)
- Magenta (6%)
- Yellow (0%)
- Black (8%)



- Cyan (14%)
- Magenta (13%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9212, 72.7135, 88.1918 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 69.9212, 72.7135, 88.1918 by changing the saturation by 10% instead.

■ 69.9212, 72.7135,
88.1918

■ 69.9212, 72.7135,
88.1918

449.5440,
470.0212, 542.5487

■ 51.7417, 53.7417,
65.9167

118.1233,
123.0704, 146.7376

■ 37.0226, 38.3952,
47.7487

148.8765,
155.2243, 183.8454

■ 25.3988, 26.2896,
33.2694

184.5516,
192.5411, 226.7346

■ 16.5047, 17.0404,
22.0601

225.5141,
235.4051, 275.8235

■ 9.9751, 10.2633,
13.7023

272.1292,
284.2007, 331.5309

■ 5.4446, 5.5739,
7.7775

324.7623,

■ 2.5478, 2.5877,

339.3123, 394.2752

3.8672

383.7788,
401.1244, 464.4749

■ 0.9194, 0.9205,
1.5528

■ 0.0000, 0.0000,
0.2568

■ 69.9212, 72.7135,
88.1918

■ 69.9212, 72.7135,
88.1918

■ 58.3368, 59.2705,
86.2087

■ 83.1460, 87.9657,
90.4399

■ 48.3223, 47.5606,
84.4763

■ 91.8515, 98.7206,
92.0569

■ 39.8117, 37.5155,
82.9860

■ 32.7318, 29.0591,
81.7269

■ 27.0031, 22.1094,
80.6874

■ 22.5383, 16.5768,
79.8548

■ 19.2398, 12.3619,
79.2151

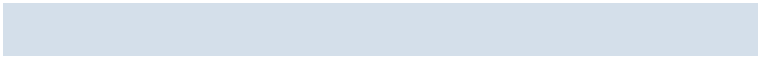
■ 16.9949, 9.3523,
78.7525

■ 15.6668, 7.4151,
78.4486

Harmonies

Analogous

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



68.2950, 72.7135, 88.1801



69.9212, 72.7135, 88.1918



71.3522, 72.7135, 85.7228

Triad

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



69.9212, 72.7135, 88.1918



71.3628, 72.7135, 72.9931



66.1233, 72.7135, 76.8466

Complementary

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



69.9212, 72.7135, 88.1918



75.5748, 80.3196, 78.5392

Split Complementary

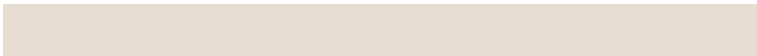
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.9192, 72.7135, 72.9649



69.9212, 72.7135, 88.1918



69.9355, 72.7135, 70.8005

Square

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



69.9212, 72.7135, 88.1918



72.1934, 72.7135, 76.8865



68.3091, 72.7135, 70.7904



66.1196, 72.7135, 81.5037

Rectangle

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



69.9212, 72.7135, 88.1918



71.9956, 72.7135, 83.0563



68.3091, 72.7135, 70.7904



66.3065, 72.7135, 75.4120

Sweetspot

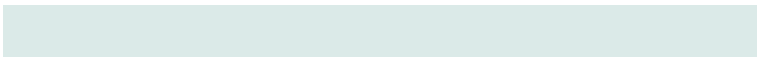
The Sweet Spot groups the original color and five complimentary colors.



69.9233, 72.7166, 88.1934



91.8050, 96.2584, 108.3488



73.1675, 79.7190, 87.6900



19.6840, 20.6425, 23.1969



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.



69.9233, 72.7166, 88.1934



82.5572, 85.5705, 106.7733



71.0021, 72.4922, 88.0932



14.3934, 14.8732, 19.0345



8.6760, 3.9989, 44.0576



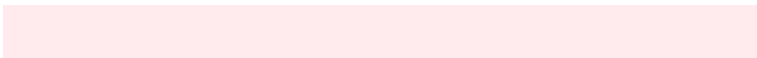
0.7330, 0.4174, 3.4768

Inverse Universe

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



72.3160, 73.3775, 78.7620



86.1674, 86.5813, 92.5398



74.4436, 80.5783, 78.6488



15.1474, 15.0868, 16.0613



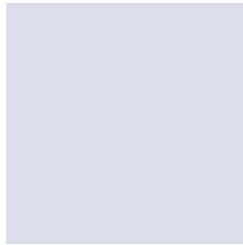
19.2345, 9.8965, 1.7704



1.5365, 0.7875, 0.2764

Previews

White Background



This preview shows how the XYZ color 69.9212, 72.7135, 88.1918 looks on a white background.

Color Contrast Check

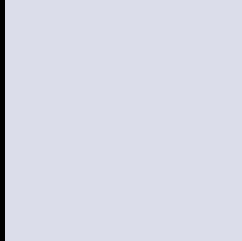
Large Text (above 18pt) WCAG AA × Fail

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 69.9212, 72.7135, 88.1918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

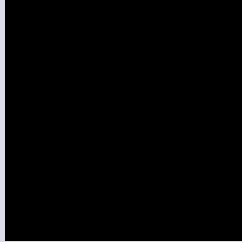
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

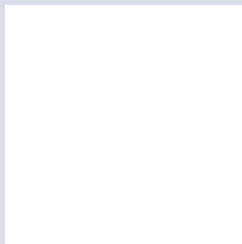
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.9212, 72.7135, 88.1918

Background



This preview shows how black text looks on a background with the XYZ color 69.9212, 72.7135, 88.1918.

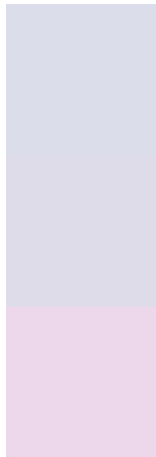


This preview shows how white text looks on a background with the XYZ color 69.9212, 72.7135,

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

69.9212, 72.7135, 88.1918

Protanopia

70.4254, 72.5992, 87.3920

Deuteranopia

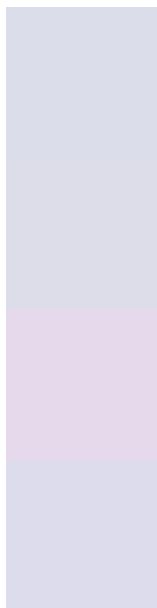
74.2209, 72.6036, 88.6993



Tritanopia

70.5410, 72.5751, 91.1794

Trichromacy



Original Color

69.9212, 72.7135, 88.1918

Protanomaly

70.1200, 72.4417, 87.3777

Deuteranomaly

72.4414, 72.4469, 88.7628

Tritanomaly

70.3945, 72.5165, 90.4077

Monochromacy



Original Color

69.9212, 72.7135, 88.1918

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.6675, 73.1057, 82.3904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9212, 72.7135, 88.1918 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, 234) looks like.

```
.text, #text, p{  
    color:rgb(219, 221, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 221, 234) }
```

Border

The CSS property to change the border of an element to XYZ 69.9212, 72.7135, 88.1918 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, 234) }
```


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

```
.border{ border-color:rgb(219, 221, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 221, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 221, 234);  
box-shadow:4px 4px 4px 4px rgb(219, 221,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9212, 72.7135, 88.1918 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, 234) }
```

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

```
.background{ background-color: rgb(219,  
221, 234) }
```

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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