

Converting Colors

XYZ(72.8198, 74.7753, 90.2986)

Have a look what the booklet for
XYZ(72.8198, 74.7753, 90.2986)
contains.

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Color

**XYZ(72.8920, 75.0002,
89.9916)**

Conversions

Conversions Part 1

Format	Color
Hex	E2DFEC
RGB	226, 223, 236
RGB Percent	89%, 87%, 93%
CMY	0.1137, 0.1255, 0.0745
CMYK	0.04, 0.06, 0.00, 0.07
HSL	254°, 25%, 90%
HSV	254°, 6%, 93%
XYZ	72.8920, 75.0002, 89.9916
YIQ	225.3790, -2.3850, 4.6790

Conversions

Conversions Part 2

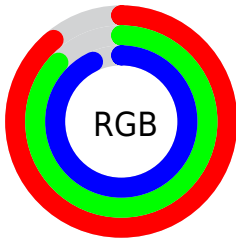
Format	Color
R _Y B	226, 223, 236
Decimal	14868460
CIE Lab	89.39, 3.39, -5.98
CIE LCh	89, 6.872, 299.534
Yxy	75.0002, 0.3064, 0.3153
Android (android.graphics.Color)	4293058540 (0xFFE2DFEC)
YUV	225.3790, 5.2362, 0.5446
Hunter-Lab	86.6027, -1.3142, -0.9883

Details

The XYZ color **72.8920, 75.0002, 89.9916** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **76.9219, 82.6443, 81.7135**, and the grayscale version is **71.8072, 75.5468, 82.2705**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0354, 39.9585, 48.8354** is the 20% darker color. If you saturate the color by 10%, you get **61.6255, 60.4768, 87.7833**, and if you desaturate by 10%, it is **85.6448, 91.5985, 92.5244**.

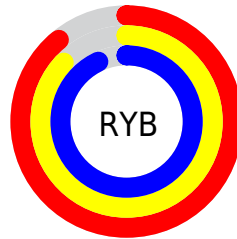
Distribution



Red (89%)

Green (87%)

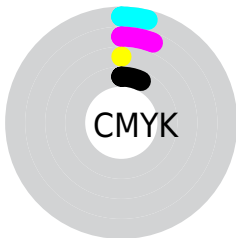
Blue (93%)



Red (89%)

Yellow (87%)

Blue (93%)

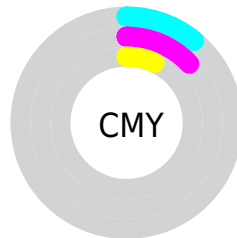


Cyan (4%)

Magenta (6%)

Yellow (0%)

Black (7%)



Cyan (11%)

Magenta (13%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8920, 75.0002, 89.9916 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 72.8920, 75.0002, 89.9916 by changing the saturation by 10% instead.

■ 72.8920, 75.0002,
89.9916

■ 72.8920, 75.0002,
89.9916

459.7500,
477.9183, 548.5729

■ 54.1757, 55.6131,
67.4000

122.3278,
126.3126, 149.2621

■ 38.9734, 39.8928,
48.9461

153.7781,
159.0067, 186.7782

■ 26.9197, 27.4549,
34.2114

190.2037,
196.9053, 230.1061

■ 17.6492, 17.9152,
22.7774

231.9701,
240.3926, 279.6644

■ 10.7966, 10.8891,
14.2255

279.4426,
289.8532, 335.8717

■ 5.9965, 5.9923,
8.1371

332.9865,

■ 2.8836, 2.8404,

345.6714, 399.1466

4.0938

392.9672,
408.2316, 469.9075

■ 1.0925, 1.0490,
1.6769

■ 0.0188, 0.0000,
0.3449

■ 72.8920, 75.0002,
89.9916

■ 72.8920, 75.0002,
89.9916

■ 61.6255, 60.4768,
87.7833

■ 85.6448, 91.5985,
92.5244

■ 51.7839, 47.9369,
85.8815

■ 92.1406, 98.8362,
93.5790

■ 43.3112, 37.2962,
84.2742

■ 36.1448, 28.4607,
82.9465

■ 30.2175, 21.3283,
81.8822

■ 25.4556, 15.7866,
81.0635

■ 21.7772, 11.7090,
80.4704

■ 19.0886, 8.9494,
80.0794

■ 17.2783, 7.3293,
79.8621

Harmonies

Analogous

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



71.2591, 75.0002, 91.2817



72.8920, 75.0002, 89.9916



74.1103, 75.0002, 86.4507

Triad

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



72.8920, 75.0002, 89.9916



72.9383, 75.0002, 73.9344



68.0992, 75.0002, 81.5871

Complementary

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



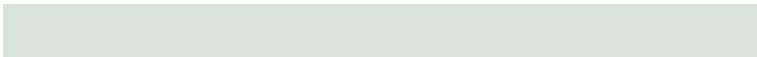
72.8920, 75.0002, 89.9916



76.9219, 82.6443, 81.7135

Split Complementary

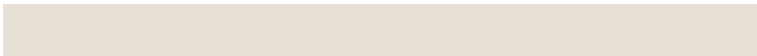
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.5333, 75.0002, 77.0544



72.8920, 75.0002, 89.9916



71.3118, 75.0002, 72.7439

Square

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



72.8920, 75.0002, 89.9916



74.1373, 75.0002, 77.1801



69.7027, 75.0002, 73.8638



68.5077, 75.0002, 86.3151

Rectangle

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



72.8920, 75.0002, 89.9916



74.5142, 75.0002, 83.3571



69.7027, 75.0002, 73.8638



68.1514, 75.0002, 79.9910

Sweetspot

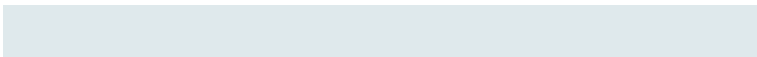
The Sweet Spot groups the original color and five complimentary colors.



72.8942, 75.0034, 89.9932



92.0155, 96.0524, 108.2980



74.7651, 80.1281, 90.8838



19.7269, 20.6005, 23.1865



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.



72.8942, 75.0034, 89.9932



84.7439, 86.6228, 106.8611



74.9121, 76.0437, 90.0877



15.0226, 15.3189, 19.0873



9.2900, 3.8251, 43.9916



0.8118, 0.3428, 3.4583

Inverse Universe

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



75.6904, 76.4948, 87.8703



88.9620, 88.8730, 103.6368



74.8960, 81.5999, 81.6187



15.8326, 15.7511, 18.4667



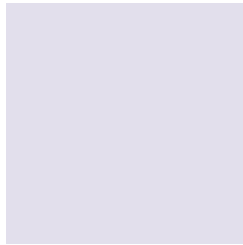
23.7505, 11.7029, 25.5513



1.9011, 0.9334, 2.1965

Previews

White Background



This preview shows how the XYZ color 72.8920, 75.0002, 89.9916 looks on a white background.

Color Contrast Check

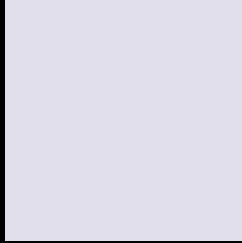
Large Text (above 18pt) WCAG AA × Fail

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 72.8920, 75.0002, 89.9916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

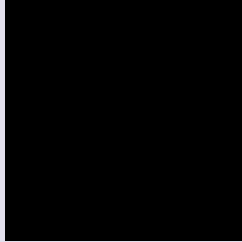
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

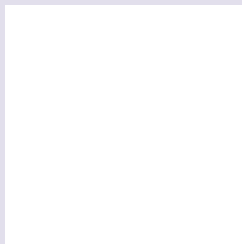
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.8920, 75.0002, 89.9916

Background



This preview shows how black text looks on a background with the XYZ color 72.8920, 75.0002, 89.9916.



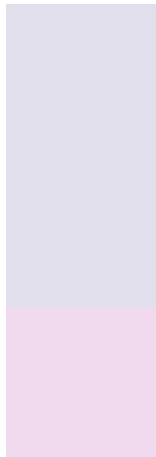
This preview shows how white text looks on a background with the XYZ color 72.8920, 75.0002,

89.9916.

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

72.8920, 75.0002, 89.9916

Protanopia

72.5793, 74.8390, 89.9769

Deuteranopia

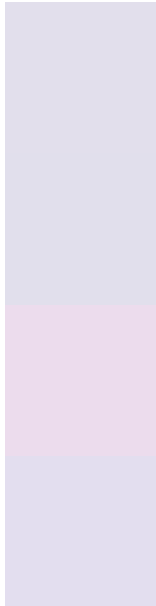
76.6331, 74.9580, 90.5501



Tritanopia

73.5280, 74.8647, 93.0131

Trichromacy



Original Color

72.8920, 75.0002, 89.9916

Protanomaly

72.5793, 74.8390, 89.9769

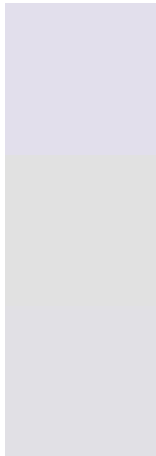
Deuteranomaly

75.4713, 75.1337, 90.6452

Tritanomaly

73.3798, 74.8054, 92.2327

Monochromacy



Original Color

72.8920, 75.0002, 89.9916

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

71.8498, 74.9760, 84.8137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8920, 75.0002, 89.9916 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(226, 223, 236) looks like.

```
.text, #text, p{  
    color:rgb(226, 223, 236)  
}
```

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(226, 223, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 223, 236) }
```

Border

The CSS property to change the border of an element to XYZ 72.8920, 75.0002, 89.9916 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(226, 223, 236) }
```


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

```
.border{ border-color:rgb(226, 223, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 223, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 223, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 223, 236);  
box-shadow:4px 4px 4px 4px rgb(226, 223,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8920, 75.0002, 89.9916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 223, 236) }
```

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

```
.background{ background-color: rgb(226,  
223, 236) }
```

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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