

Converting Colors

XYZ(72.1103, 74.5769, 89.9885)

Have a look what the booklet for
XYZ(72.1103, 74.5769, 89.9885)
contains.

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Color

**XYZ(72.2685, 74.6788,
89.9624)**

Conversions

Conversions Part 1

Format	Color
Hex	E0DFEC
RGB	224, 223, 236
RGB Percent	88%, 87%, 93%
CMY	0.1216, 0.1255, 0.0745
CMYK	0.05, 0.06, 0.00, 0.07
HSL	245°, 25%, 90%
HSV	245°, 6%, 93%
XYZ	72.2685, 74.6788, 89.9624
YIQ	224.7810, -3.5770, 4.2550

Conversions

Conversions Part 2

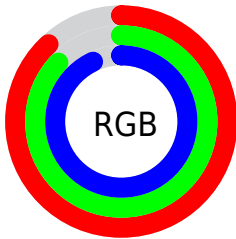
Format	Color
R_{YB}	224, 223, 236
Decimal	14737388
CIE Lab	89.24, 2.73, -6.22
CIE LCh	89, 6.791, 293.691
Yxy	74.6788, 0.3050, 0.3152
Android (android.graphics.Color)	4292927468 (0xFFE0DFEC)
YUV	224.7810, 5.5310, -0.6849
Hunter-Lab	86.4169, -1.9540, -1.2307

Details

The XYZ color **72.2685, 74.6788, 89.9624** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.5785, 82.9828, 81.7442**, and the grayscale version is **71.3760, 75.0932, 81.7764**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.6030, 39.7356, 48.8151** is the 20% darker color. If you saturate the color by 10%, you get **60.0717, 59.6758, 87.7105**, and if you desaturate by 10%, it is **86.2140, 91.8920, 92.5510**.

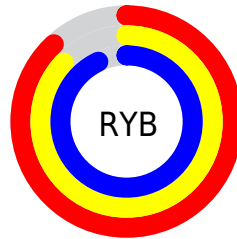
Distribution



Red (88%)

Green (87%)

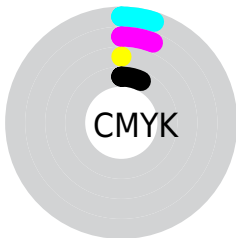
Blue (93%)



Red (88%)

Yellow (87%)

Blue (93%)

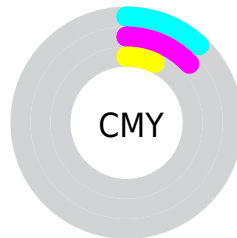


Cyan (5%)

Magenta (6%)

Yellow (0%)

Black (7%)



Cyan (12%)

Magenta (13%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2685, 74.6788, 89.9624 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 72.2685, 74.6788, 89.9624 by changing the saturation by 10% instead.

■ 72.2685, 74.6788,
89.9624

■ 72.2685, 74.6788,
89.9624

457.6188,
476.8128, 548.4755

■ 53.6643, 55.3498,
67.3759

121.4469,
125.8576, 149.2212

■ 38.5629, 39.6818,
48.9267

152.7519,
158.4762, 186.7307

■ 26.5991, 27.2906,
34.1961

189.0211,
196.2934, 230.0515

■ 17.4074, 17.7916,
22.7657

230.6199,
239.6936, 279.6022

■ 10.6225, 10.8005,
14.2169

277.9137,
289.0613, 335.8015

■ 5.8790, 5.9328,
8.1312

331.2679,

■ 2.8116, 2.8043,

344.7808, 399.0677

4.0901

391.0478,
407.2365, 469.8196

■ 1.0549, 1.0304,
1.6749

■ 0.0000, 0.0000,
0.3434

■ 72.2685, 74.6788,
89.9624

■ 72.2685, 74.6788,
89.9624

■ 60.0717, 59.6758,
87.7105

■ 86.2140, 91.8920,
92.5510

■ 49.5482, 46.7843,
85.7769

■ 92.1405, 98.8362,
93.5790

■ 40.6269, 35.9124,
84.1486

■ 33.2291, 26.9576,
82.8100

■ 27.2693, 19.8085,
81.7442

■ 22.6536, 14.3420,
80.9324

■ 19.2768, 10.4200,
80.3533

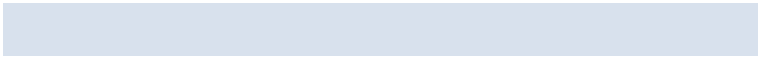
■ 17.0180, 7.8819,
79.9825

■ 15.7315, 6.5319,
79.7897

Harmonies

Analogous

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



70.6302, 74.6788, 90.7284



72.2685, 74.6788, 89.9624



73.5798, 74.6788, 86.8392

Triad

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



72.2685, 74.6788, 89.9624



72.8843, 74.6788, 74.1754



67.8584, 74.6788, 80.3133

Complementary

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



72.2685, 74.6788, 89.9624



77.5785, 82.9828, 81.7442

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.



68.4420, 74.6788, 76.0255



72.2685, 74.6788, 89.9624



71.3309, 74.6788, 72.5717

Square

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



72.2685, 74.6788, 89.9624



73.9393, 74.6788, 77.6992



69.7068, 74.6788, 73.2357



68.1007, 74.6788, 85.0361

Rectangle

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



72.2685, 74.6788, 89.9624



74.0836, 74.6788, 83.9033



69.7068, 74.6788, 73.2357



67.9642, 74.6788, 78.7756

Sweetspot

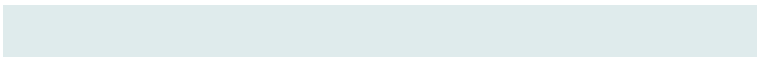
The Sweet Spot groups the original color and five complimentary colors.



72.2707, 74.6820, 89.9640



91.7333, 95.9069, 108.2848



75.3206, 81.2391, 91.0689



19.6694, 20.5709, 23.1838



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.



72.2707, 74.6820, 89.9640



83.8120, 86.1423, 106.8175



74.2816, 75.7186, 90.0581



14.8442, 15.2270, 19.0790



8.5249, 3.4307, 43.9558



0.7067, 0.2886, 3.4533

Inverse Universe

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



75.9778, 76.6097, 89.3837



89.3980, 89.0474, 105.9327



75.5133, 81.9181, 81.6476



15.9165, 15.7846, 18.9084



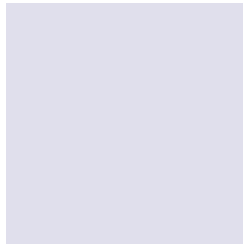
26.0583, 12.6260, 37.7039



2.0611, 0.9974, 3.0390

Previews

White Background



This preview shows how the XYZ color 72.2685, 74.6788, 89.9624 looks on a white background.

Color Contrast Check

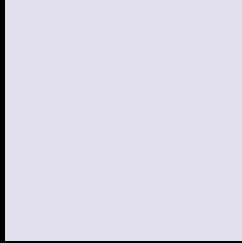
Large Text (above 18pt) WCAG AA × Fail

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 72.2685, 74.6788, 89.9624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

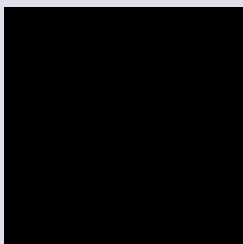
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

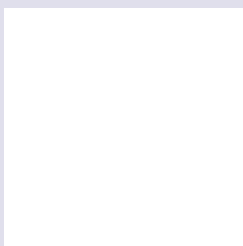
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.2685, 74.6788, 89.9624

Background



This preview shows how black text looks on a background with the XYZ color 72.2685, 74.6788, 89.9624.



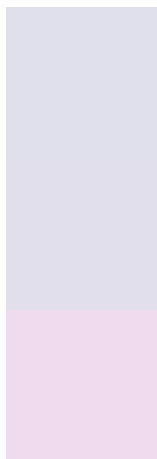
This preview shows how white text looks on a background with the XYZ color 72.2685, 74.6788,

89.9624.

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

72.2685, 74.6788, 89.9624

Protanopia

72.5793, 74.8390, 89.9769

Deuteranopia

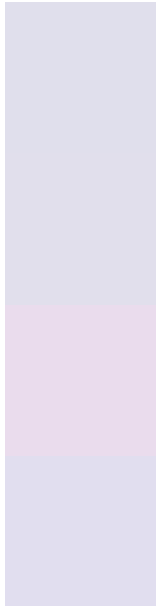
76.2926, 74.7825, 90.5342



Tritanopia

72.9008, 74.5414, 92.9837

Trichromacy



Original Color

72.2685, 74.6788, 89.9624

Protanomaly

72.5793, 74.8390, 89.9769

Deuteranomaly

74.8109, 74.7932, 90.6143

Tritanomaly

72.7526, 74.4821, 92.2034

Monochromacy



Original Color

72.2685, 74.6788, 89.9624

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 72.2685, 74.6788, 89.9624 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(224, 223, 236) looks like.

```
.text, #text, p{  
    color:rgb(224, 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(224, 223, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 223, 236) }
```

Border

The CSS property to change the border of an element to XYZ 72.2685, 74.6788, 89.9624 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(224, 223, 236) }
```


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

```
.border{ border-color:rgb(224, 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(224, 223, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 223, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 223, 236);  
box-shadow:4px 4px 4px 4px rgb(224, 223,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2685, 74.6788, 89.9624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 223, 236) }
```

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

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