

Converting Colors

XYZ(72.6233, 74.2114, 87.9262)

Have a look what the booklet for
XYZ(72.6233, 74.2114, 87.9262)
contains.

XYZ(72.5593, 74.0901, 87.5673)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.5593, 74.0901,
87.5673)**

Conversions

Conversions Part 1

Format	Color
Hex	E4DDE9
RGB	228, 221, 233
RGB Percent	89%, 87%, 91%
CMY	0.1059, 0.1333, 0.0863
CMYK	0.02, 0.05, 0.00, 0.09
HSL	275°, 21%, 89%
HSV	275°, 5%, 91%
XYZ	72.5593, 74.0901, 87.5673
YIQ	224.4610, 0.3200, 5.2160

Conversions

Conversions Part 2

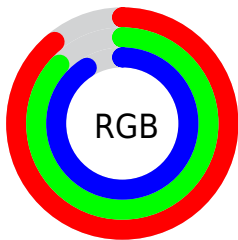
Format	Color
R _Y B	228, 221, 233
Decimal	14999017
CIE Lab	88.97, 4.54, -5.02
CIE LCh	89, 6.762, 312.116
Yxy	74.0901, 0.3098, 0.3163
Android (android.graphics.Color)	4293189097 (0xFFE4DDE9)
YUV	224.4610, 4.2097, 3.1037
Hunter-Lab	86.0756, -0.1619, -0.0646

Details

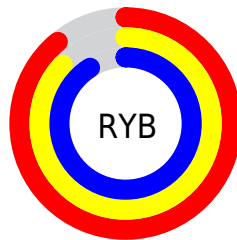
The XYZ color **72.5593, 74.0901, 87.5673** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.5570, 79.6690, 79.9112**, and the grayscale version is **71.1538, 74.8593, 81.5218**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.8056, 39.3310, 47.1413** is the 20% darker color. If you saturate the color by 10%, you get **63.8351, 61.0870, 85.5184**, and if you desaturate by 10%, it is **82.3146, 88.8962, 89.9121**.

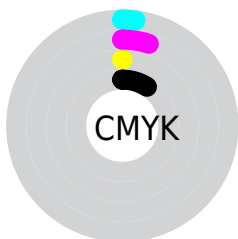
Distribution



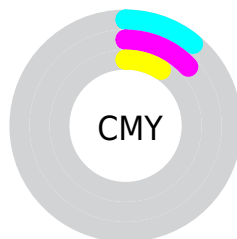
- Red (89%)
- Green (87%)
- Blue (91%)



- Red (89%)
- Yellow (87%)
- Blue (91%)



- Cyan (2%)
- Magenta (5%)
- Yellow (0%)
- Black (9%)



- Cyan (11%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.5593, 74.0901, 87.5673 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 72.5593, 74.0901, 87.5673 by changing the saturation by 10% instead.

■ 72.5593, 74.0901,
87.5673

■ 72.5593, 74.0901,
87.5673

458.6135,
474.7843, 540.4497

■ 53.9028, 54.8678,
65.4025

121.8579,
125.0235, 145.8604

■ 38.7543, 39.2959,
47.3341

153.2307,
157.5034, 182.8258

■ 26.7485, 26.9900,
32.9436

189.5729,
195.1713, 225.5618

■ 17.5200, 17.5657,
21.8125

231.2499,
238.4116, 274.4870

■ 10.7036, 10.6386,
13.5222

278.6272,
287.6086, 330.0198

■ 5.9337, 5.8244,
7.6542

332.0699,

■ 2.8451, 2.7386,

343.1468, 392.5788

3.7899

391.9436,
405.4106, 462.5826

■ 1.0724, 0.9968,
1.5108

■ 0.0018, 0.0000,
0.2259

■ 72.5593, 74.0901,
87.5673

■ 72.5593, 74.0901,
87.5673

■ 63.8351, 61.0870,
85.5184

■ 82.3146, 88.8962,
89.9121

■ 56.0979, 49.8060,
83.7487

■ 88.9760, 97.2548,
91.1744

■ 49.3094, 40.1741,
82.2474

■ 91.7082, 98.6633,
91.3023

■ 43.4266, 32.1094,
81.0008

■ 38.4024, 25.5224,
79.9942

■ 34.1853, 20.3147,
79.2112

■ 30.7175, 16.3753,
78.6336

■ 27.9320, 13.5754,
78.2400

■ 25.7473, 11.7570,
78.0042

Harmonies

Analogous

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



71.0852, 74.0901, 89.8402



72.5593, 74.0901, 87.5673



73.4684, 74.0901, 83.4806

Triad

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



72.5593, 74.0901, 87.5673



71.3946, 74.0901, 72.3678



67.3780, 74.0901, 82.5845

Complementary

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



72.5593, 74.0901, 87.5673



73.5570, 79.6690, 79.9112

Split Complementary

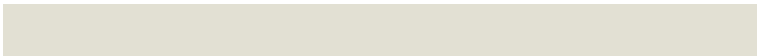
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.4579, 74.0901, 77.9262



72.5593, 74.0901, 87.5673



69.7598, 74.0901, 72.1489

Square

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



72.5593, 74.0901, 87.5673



72.7888, 74.0901, 74.7576



68.3240, 74.0901, 74.1476



68.1040, 74.0901, 86.8894

Rectangle

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



72.5593, 74.0901, 87.5673



73.6232, 74.0901, 80.3381



68.3240, 74.0901, 74.1476



67.3119, 74.0901, 81.0058

Sweetspot

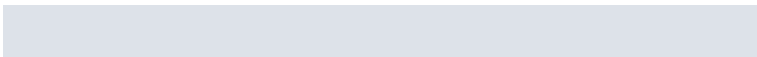
The Sweet Spot groups the original color and five complimentary colors.



72.5614, 74.0933, 87.5689



92.6668, 96.3881, 108.3284



71.7804, 75.7599, 87.9318



19.8595, 20.6689, 23.1927



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.



72.5614, 74.0933, 87.5689



88.0544, 89.4342, 107.2293



74.0568, 74.8773, 87.0438



15.6302, 15.8169, 19.1514



14.2405, 6.3772, 44.2233



1.2274, 0.5570, 3.4777

Inverse Universe

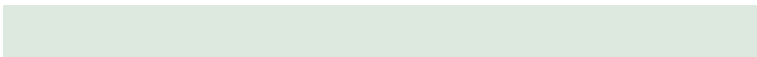
The Inverse Universe completely reimagines the original color for something new.



73.1909, 74.5310, 82.4838



88.9582, 90.0622, 99.9461



72.1185, 78.9151, 80.4015



15.8078, 15.9403, 17.7226



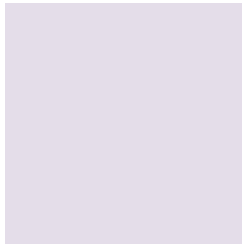
20.3537, 10.3442, 7.6639



1.6452, 0.8310, 0.8490

Previews

White Background



This preview shows how the XYZ color 72.5593, 74.0901, 87.5673 looks on a white background.

Color Contrast Check

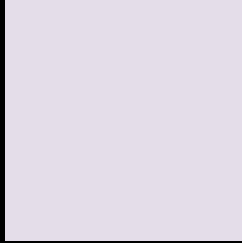
Large Text (above 18pt) WCAG AA × Fail

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 72.5593, 74.0901, 87.5673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

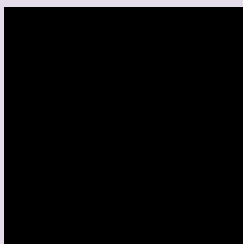
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

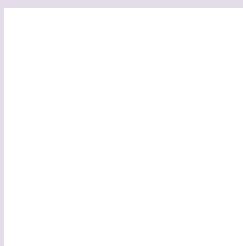
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.5593, 74.0901, 87.5673

Background



This preview shows how black text looks on a background with the XYZ color 72.5593, 74.0901, 87.5673.

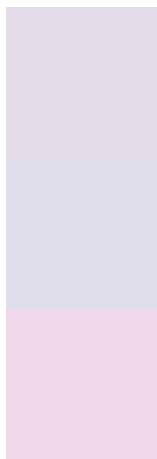


This preview shows how white text looks on a background with the XYZ color 72.5593, 74.0901,

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

72.5593, 74.0901, 87.5673

Protanopia

71.7130, 74.0304, 88.3515

Deuteranopia

75.5993, 74.0915, 88.1585



Tritanopia

73.3389, 74.0175, 91.3103

Trichromacy



Original Color

72.5593, 74.0901, 87.5673

Protanomaly

72.0239, 74.1906, 88.3661

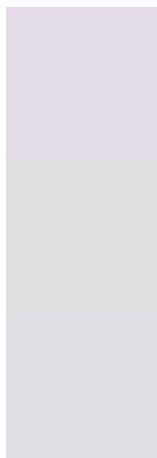
Deuteranomaly

74.5148, 73.9162, 88.1818

Tritanomaly

73.0466, 73.9005, 89.7711

Monochromacy



Original Color

72.5593, 74.0901, 87.5673

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

71.3041, 74.3290, 83.2618

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5593, 74.0901, 87.5673 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(228, 221, 233) looks like.

```
.text, #text, p{  
    color:rgb(228, 221, 233)  
}
```

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(228, 221, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 221, 233) }
```

Border

The CSS property to change the border of an element to XYZ 72.5593, 74.0901, 87.5673 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(228, 221, 233) }
```


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

```
.border{ border-color:rgb(228, 221, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 221, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 221, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 221, 233);  
box-shadow:4px 4px 4px 4px rgb(228, 221,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5593, 74.0901, 87.5673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 221, 233) }
```

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

```
.background{ background-color: rgb(228,  
221, 233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor