

Converting Colors

XYZ(72.7407, 74.5718, 87.9566)

Have a look what the booklet for
XYZ(72.7407, 74.5718, 87.9566)
contains.

XYZ(72.8242, 74.6197, 87.6556)	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(72.8242, 74.6197,
87.6556)**

Conversions

Conversions Part 1

Format	Color
Hex	E4DEE9
RGB	228, 222, 233
RGB Percent	89%, 87%, 91%
CMY	0.1059, 0.1294, 0.0863
CMYK	0.02, 0.05, 0.00, 0.09
HSL	273°, 20%, 89%
HSV	273°, 5%, 91%
XYZ	72.8242, 74.6197, 87.6556
YIQ	225.0480, 0.0450, 4.6930

Conversions

Conversions Part 2

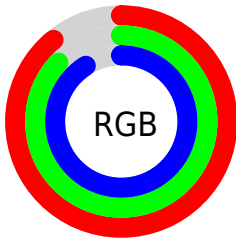
Format	Color
R _Y B	228, 222, 233
Decimal	14999273
CIE Lab	89.21, 4.01, -4.65
CIE LCh	89, 6.142, 310.818
Yxy	74.6197, 0.3098, 0.3174
Android (android.graphics.Color)	4293189353 (0xFFE4DEE9)
YUV	225.0480, 3.9203, 2.5889
Hunter-Lab	86.3827, -0.6868, 0.3042

Details

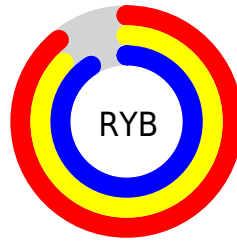
The XYZ color **72.8242, 74.6197, 87.6556** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.0050, 79.8846, 80.6297**, and the grayscale version is **71.5771, 75.3047, 82.0068**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9881, 39.6960, 47.2022** is the 20% darker color. If you saturate the color by 10%, you get **63.8005, 61.4088, 85.5824**, and if you desaturate by 10%, it is **82.9133, 89.6535, 90.0268**.

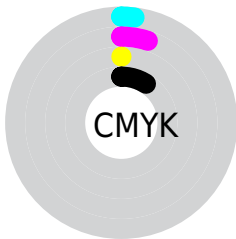
Distribution



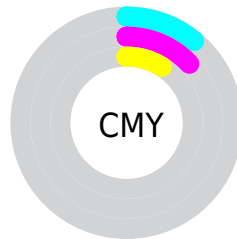
- Red (89%)
- Green (87%)
- Blue (91%)



- 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 72.8242, 74.6197, 87.6556 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 72.8242, 74.6197, 87.6556 by changing the saturation by 10% instead.

■ 72.8242, 74.6197,
87.6556

■ 72.8242, 74.6197,
87.6556

459.5185,
476.6094, 540.7468

■ 54.1201, 55.3014,
65.4752

122.2321,
125.7739, 145.9845

■ 38.9287, 39.6431,
47.3927

153.6666,
158.3785, 182.9701

■ 26.8848, 27.2604,
32.9896

190.0752,
196.1808, 225.7277

■ 17.6228, 17.7689,
21.8475

231.8234,
239.5650, 274.6761

■ 10.7776, 10.7842,
13.5476

279.2765,
288.9156, 330.2336

■ 5.9837, 5.9219,
7.6716

332.7998,

■ 2.8757, 2.7976,

344.6169, 392.8189

3.8008

392.7587,
407.0534, 462.8504

■ 1.0884, 1.0270,
1.5167

■ 0.0154, 0.0000,
0.2303

■ 72.8242, 74.6197,
87.6556

■ 72.8242, 74.6197,
87.6556

■ 63.8005, 61.4088,
85.5824

■ 82.9133, 89.6535,
90.0268

■ 55.7973, 49.9397,
83.7904

■ 89.6028, 97.5779,
91.2038

■ 48.7757, 40.1391,
82.2688

■ 91.7082, 98.6633,
91.3023

■ 42.6917, 31.9247,
81.0039

■ 37.4977, 25.2072,
79.9811

■ 33.1414, 19.8879,
79.1839

■ 29.5640, 15.8561,
78.5943

■ 26.6982, 12.9832,
78.1908

■ 24.4621, 11.1123,
77.9475

Harmonies

Analogous

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



71.4660, 74.6197, 89.6273



72.8242, 74.6197, 87.6556



73.6805, 74.6197, 83.9903

Triad

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



72.8242, 74.6197, 87.6556



71.8749, 74.6197, 73.6998



68.1307, 74.6197, 82.8070

Complementary

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



72.8242, 74.6197, 87.6556



74.0050, 79.8846, 80.6297

Split Complementary

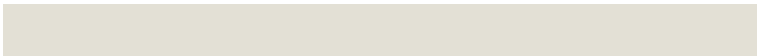
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.2367, 74.6197, 78.5664



72.8242, 74.6197, 87.6556



70.3843, 74.6197, 73.4082

Square

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



72.8242, 74.6197, 87.6556



73.1271, 74.6197, 75.9719



69.0567, 74.6197, 75.1608



68.7651, 74.6197, 86.7632

Rectangle

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



72.8242, 74.6197, 87.6556



73.8445, 74.6197, 81.1305



69.0567, 74.6197, 75.1608



68.0811, 74.6197, 81.3660

Sweetspot

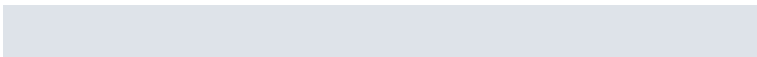
The Sweet Spot groups the original color and five complimentary colors.



72.8264, 74.6229, 87.6572



93.8166, 98.1646, 108.6107



72.3405, 76.4268, 88.0310



20.0936, 21.0306, 23.2502



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.



72.8264, 74.6229, 87.6572



87.8487, 89.3281, 107.2197



74.3833, 75.4316, 87.4570



15.5899, 15.7961, 19.1495



13.4619, 5.9758, 44.1869



1.1678, 0.5263, 3.4749

Inverse Universe

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



73.5933, 75.1156, 83.2966



89.0474, 90.0979, 100.4154



72.4999, 79.1030, 80.8160



15.8253, 15.9473, 17.8144



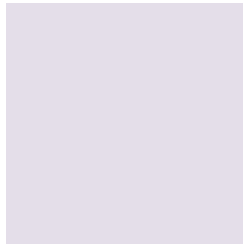
20.6029, 10.4439, 8.9763



1.6658, 0.8393, 0.9574

Previews

White Background



This preview shows how the XYZ color 72.8242, 74.6197, 87.6556 looks on a white background.

Color Contrast Check

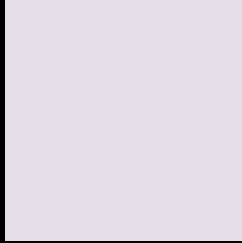
Large Text (above 18pt) WCAG AA × Fail

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 72.8242, 74.6197, 87.6556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

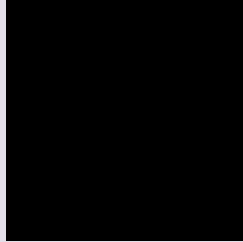
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.8242, 74.6197, 87.6556

Background



This preview shows how black text looks on a background with the XYZ color 72.8242, 74.6197, 87.6556.

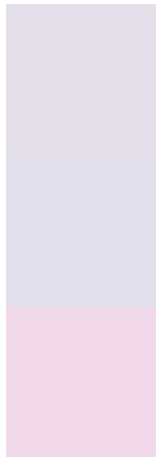


This preview shows how white text looks on a background with the XYZ color 72.8242, 74.6197,

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

72.8242, 74.6197, 87.6556

Protanopia

72.1470, 74.6661, 87.7002

Deuteranopia

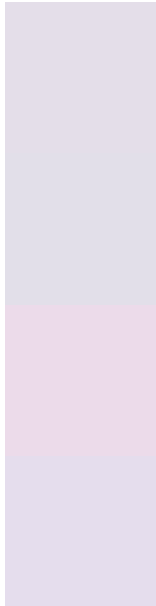
75.9398, 74.2670, 88.1744



Tritanopia

73.7495, 74.6029, 92.1741

Trichromacy



Original Color

72.8242, 74.6197, 87.6556

Protanomaly

72.4597, 74.8273, 87.7149

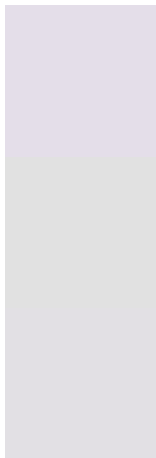
Deuteranomaly

74.7749, 74.4364, 88.2685

Tritanomaly

73.4556, 74.4853, 90.6263

Monochromacy



Original Color

72.8242, 74.6197, 87.6556

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

72.0233, 75.0815, 84.0949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8242, 74.6197, 87.6556 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, 222, 233) looks like.

```
.text, #text, p{  
    color:rgb(228, 222, 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, 222, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 222, 233) }
```

Border

The CSS property to change the border of an element to XYZ 72.8242, 74.6197, 87.6556 is called "border". The border property can be set on classes, ids or directly on the HTML element.

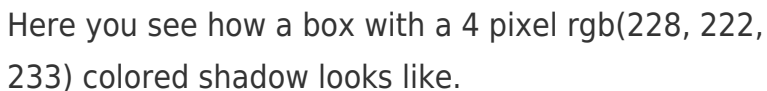
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 222, 233) }
```


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

```
.border{ border-color:rgb(228, 222, 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, 222, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 222, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 222, 233); box-shadow:4px 4px 4px 4px rgb(228, 222, 233) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8242, 74.6197, 87.6556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 222, 233) }
```

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

```
.background{ background-color: rgb(228,  
222, 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](#).

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