

# Converting Colors

XYZ(73.3629, 72.7423, 88.4765)

Have a look what the booklet for  
XYZ(73.3629, 72.7423, 88.4765)  
contains.

<b>XYZ(73.4125, 72.9475, 88.8083)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(73.4125, 72.9475,  
88.8083)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9D9EB
RGB	233, 217, 235
RGB Percent	91%, 85%, 92%
CMY	0.0863, 0.1490, 0.0784
CMYK	0.01, 0.08, 0.00, 0.08
HSL	293°, 31%, 89%
HSV	293°, 8%, 92%
XYZ	73.4125, 72.9475, 88.8083
YIQ	223.8360, 3.7580, 8.9900

# Conversions

## Conversions Part 2

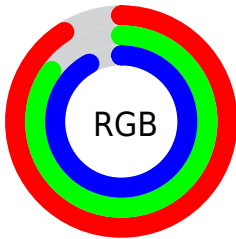
Format	Color
R <sub>Y</sub> B	233, 217, 235
Decimal	15325675
CIE Lab	88.42, 8.66, -6.83
CIE LCh	88, 11.024, 321.745
Yxy	72.9475, 0.3122, 0.3102
Android (android.graphics.Color)	4293515755 (0xFFE9D9EB)
YUV	223.8360, 5.5039, 8.0368
Hunter-Lab	85.4093, 3.9611, -1.8630

# Details

The XYZ color **73.4125, 72.9475, 88.8083** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.4489, 79.4884, 77.2264**, and the grayscale version is **70.6963, 74.3780, 80.9977**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.1885, 38.4424, 48.0025** is the 20% darker color. If you saturate the color by 10%, you get **66.9358, 61.2495, 86.8928**, and if you desaturate by 10%, it is **80.7685, 86.3832, 91.0150**.

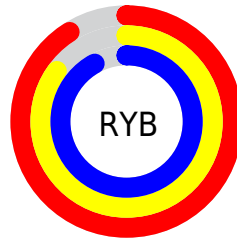
# Distribution



Red (91%)

Green (85%)

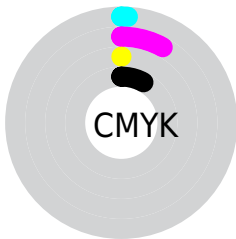
Blue (92%)



Red (91%)

Yellow (85%)

Blue (92%)

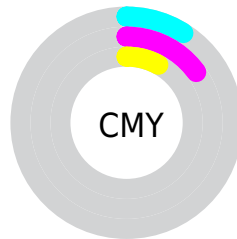


Cyan (1%)

Magenta (8%)

Yellow (0%)

Black (8%)



Cyan (9%)

Magenta (15%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.4125, 72.9475, 88.8083 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 73.4125, 72.9475, 88.8083 by changing the saturation by 10% instead.



73.4125, 72.9475,  
88.8083

73.4125, 72.9475,  
88.8083

461.5249,  
470.8328, 544.6164

54.6029, 53.9330,  
66.4245

123.0626,  
123.4027, 147.6030

39.3165, 38.5481,  
48.1585

154.6338,  
155.6122, 184.8510

27.1878, 26.4084,  
33.5915

191.1896,  
192.9888, 227.8908

17.8517, 17.1294,  
22.3051

233.0954,  
235.9170, 277.1410

10.9426, 10.3268,  
13.8808

280.7164,  
284.7811, 333.0201

6.0952, 5.6162,  
7.9000

334.4181,

2.9443, 2.6131,

339.9655, 395.9467

3.9442

394.5658,  
401.8546, 466.3393

■ 1.1244, 0.9333,  
1.5948

■ 0.0454, 0.0000,  
0.2871

■ 73.4125, 72.9475,  
88.8083

■ 73.4125, 72.9475,  
88.8083

■ 66.9358, 61.2495,  
86.8928

■ 80.7685, 86.3832,  
91.0150

■ 61.2959, 51.2073,  
85.2517

■ 86.0910, 95.7343,  
92.5395

■ 56.4558, 42.7464,  
83.8737

■ 86.9754, 96.1903,  
92.5809

■ 52.3736, 35.7827,  
82.7447

■ 87.8726, 96.6528,  
92.6228

49.0034, 30.2246,  
81.8495

88.7826, 97.1219,  
92.6654

46.2943, 25.9703,  
81.1712

89.7055, 97.5977,  
92.7086

44.1883, 22.9042,  
80.6903

90.6414, 98.0801,  
92.7524

42.6176, 20.8903,  
80.3844

91.5902, 98.5692,  
92.7968

41.4905, 19.7456,  
80.2229

91.9956, 98.7782,  
92.8158

# Harmonies

## Analogous

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



71.2390, 72.9475, 93.7653



73.4125, 72.9475, 88.8083



74.4995, 72.9475, 81.5408

# Triad

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



73.4125, 72.9475, 88.8083



70.0685, 72.9475, 65.8452



64.7091, 72.9475, 84.9565

# Complementary

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



73.4125, 72.9475, 88.8083



71.4489, 79.4884, 77.2264

# 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.



64.4138, 72.9475, 77.3509



73.4125, 72.9475, 88.8083



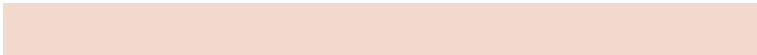
67.4640, 72.9475, 66.6311

# Square

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



73.4125, 72.9475, 88.8083



72.5369, 72.9475, 68.5120



65.4102, 72.9475, 70.7316



66.2276, 72.9475, 91.4447



# Rectangle

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



73.4125, 72.9475, 88.8083



74.4430, 72.9475, 76.4943



65.4102, 72.9475, 70.7316



64.4651, 72.9475, 82.4346

# Sweetspot

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



73.4146, 72.9506, 88.8099



93.2363, 96.6817, 108.3551



68.9714, 71.4686, 88.7580



19.9754, 20.7286, 23.1982



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.



73.4146, 72.9506, 88.8099



87.2286, 85.7408, 106.5599



73.0936, 72.8981, 83.6921



15.5404, 15.2238, 19.0417



23.0293, 10.9080, 44.6346



1.8554, 0.8808, 3.5071

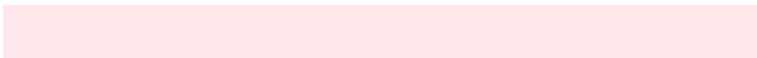


# Inverse Universe

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



71.8626, 72.4057, 77.2097



85.0484, 84.9765, 90.2146



71.7672, 79.5467, 82.0242



15.1335, 15.0813, 15.9884



19.1951, 9.8807, 1.5630

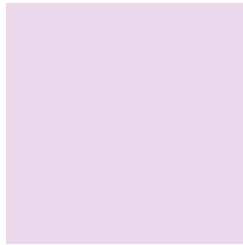


1.5299, 0.7849, 0.2418



# Previews

## White Background



This preview shows how the XYZ color 73.4125, 72.9475, 88.8083 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

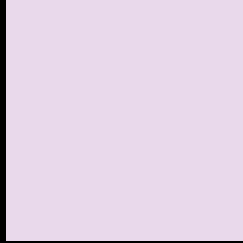
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.4125, 72.9475, 88.8083 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

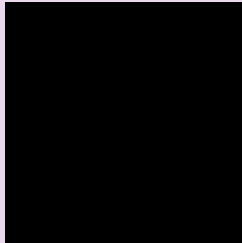
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

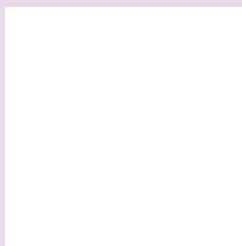
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.4125, 72.9475, 88.8083**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.4125, 72.9475, 88.8083.



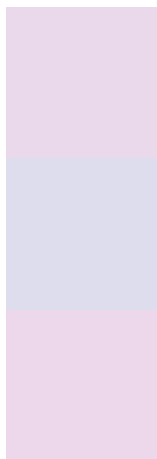
This preview shows how white text looks on a background with the XYZ color 73.4125, 72.9475,



# 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

73.4125, 72.9475, 88.8083

### Protanopia

70.9613, 73.1995, 90.5096

### Deuteranopia

74.2209, 72.6036, 88.6993



## Tritanopia

73.2684, 72.8899, 88.0494

# Trichromacy



## Original Color

73.4125, 72.9475, 88.8083

## Protanomaly

71.7849, 73.2501, 89.7121

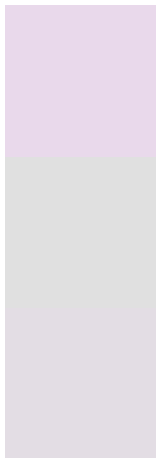
## Deuteranomaly

74.1433, 72.9428, 88.7688

## Tritanomaly

73.2684, 72.8899, 88.0494

# Monochromacy



## Original Color

73.4125, 72.9475, 88.8083

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

71.5386, 73.6452, 83.8433

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.4125, 72.9475, 88.8083 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(233, 217, 235)` looks like.

```
.text, #text, p{  
    color:rgb(233, 217, 235)  
}
```

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(233, 217, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 217, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 73.4125, 72.9475, 88.8083 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(233, 217, 235) }
```



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

```
.border{ border-color:rgb(233, 217, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 217, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 217, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 217, 235);  
box-shadow:4px 4px 4px 4px rgb(233, 217,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.4125, 72.9475, 88.8083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 217, 235) }
```

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

```
.background{ background-color: rgb(233,  
217, 235) }
```

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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