

# Converting Colors

XYZ(72.8492, 75.3934, 89.3110)

Have a look what the booklet for  
XYZ(72.8492, 75.3934, 89.3110)  
contains.

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# **Color**

**XYZ(72.7024, 75.3170,  
89.3031)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1E0EB
RGB	225, 224, 235
RGB Percent	88%, 88%, 92%
CMY	0.1176, 0.1215, 0.0784
CMYK	0.04, 0.05, 0.00, 0.08
HSL	245°, 22%, 90%
HSV	245°, 5%, 92%
XYZ	72.7024, 75.3170, 89.3031
YIQ	225.5530, -2.9350, 3.6330

# Conversions

## Conversions Part 2

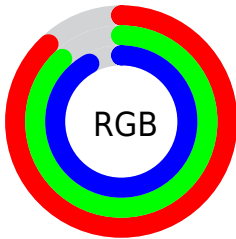
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 224, 235
Decimal	14803179
CIE Lab	89.54, 2.35, -5.24
CIE LCh	90, 5.747, 294.154
Yxy	75.3170, 0.3063, 0.3174
Android (android.graphics.Color)	4292993259 (0xFFE1E0EB)
YUV	225.5530, 4.6574, -0.4850
Hunter-Lab	86.7854, -2.3402, -0.2603

# Details

The XYZ color **72.7024, 75.3170, 89.3031** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **77.0974, 82.2929, 82.3454**, and the grayscale version is **71.9369, 75.6832, 82.4191**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9022, 40.1767, 48.3523** is the 20% darker color. If you saturate the color by 10%, you get **60.5680, 60.3265, 87.0503**, and if you desaturate by 10%, it is **86.5479, 92.4895, 91.8891**.

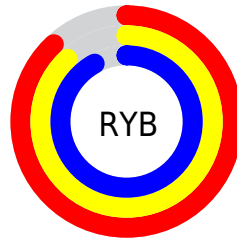
# Distribution



Red (88%)

Green (88%)

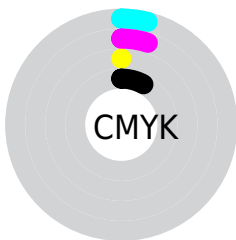
Blue (92%)



Red (88%)

Yellow (88%)

Blue (92%)

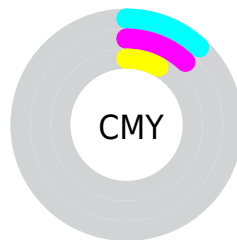


Cyan (4%)

Magenta (5%)

Yellow (0%)

Black (8%)



Cyan (12%)

Magenta (12%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7024, 75.3170, 89.3031 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 72.7024, 75.3170, 89.3031 by changing the saturation by 10% instead.



■ 72.7024, 75.3170,  
89.3031

■ 72.7024, 75.3170,  
89.3031

459.1025,  
479.0064, 546.2727

■ 54.0202, 55.8726,  
66.8323

122.0600,  
126.7610, 148.2970

■ 38.8485, 40.1008,  
48.4876

153.4662,  
159.5294, 185.6573

■ 26.8221, 27.6172,  
33.8505

189.8443,  
197.5079, 228.8178

■ 17.5756, 18.0373,  
22.5023

231.5598,  
241.0810, 278.1970

■ 10.7435, 10.9767,  
14.0246

278.9780,  
290.6330, 334.2136

■ 5.9607, 6.0512,  
7.9989

332.4643,

■ 2.8616, 2.8762,

346.5483, 397.2861

4.0065

392.3840,  
409.2113, 467.8329

■ 1.0810, 1.0675,  
1.6289

■ 0.0091, 0.0000,  
0.3113

■ 72.7024, 75.3170,  
89.3031

■ 72.7024, 75.3170,  
89.3031

■ 60.5680, 60.3265,  
87.0503

■ 86.5479, 92.4895,  
91.8891

■ 50.0718, 47.4214,  
85.1126

■ 91.9956, 98.7782,  
92.8159

■ 41.1455, 36.5120,  
83.4774

■ 33.7134, 27.4986,  
82.1293

■ 27.6934, 20.2726,  
81.0519

■ 22.9955, 14.7147,  
80.2267

■ 19.5194, 10.6907,  
79.6332

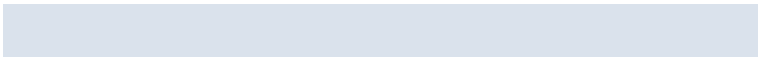
■ 17.1500, 8.0456,  
79.2475

■ 15.7499, 6.5915,  
79.0406

# Harmonies

## Analogous

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



71.3106, 75.3170, 89.9820



72.7024, 75.3170, 89.3031



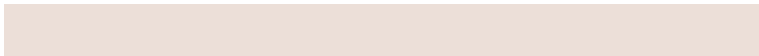
73.8082, 75.3170, 86.6421

# Triad

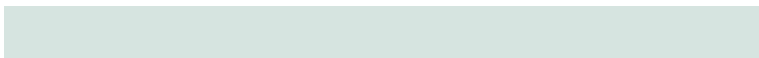
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.7024, 75.3170, 89.3031



73.1871, 75.3170, 75.8692



68.9215, 75.3170, 81.2185

# Complementary

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



72.7024, 75.3170, 89.3031



77.0974, 82.2929, 82.3454

# Split Complementary

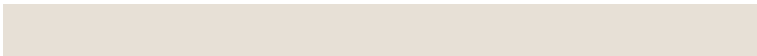
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.4099, 75.3170, 77.5410



72.7024, 75.3170, 89.3031



71.8632, 75.3170, 74.5184

# Square

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



72.7024, 75.3170, 89.3031



74.0906, 75.3170, 78.8691



70.4822, 75.3170, 75.1203



69.1395, 75.3170, 85.2279



# Rectangle

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



72.7024, 75.3170, 89.3031



74.2282, 75.3170, 84.1473



70.4822, 75.3170, 75.1203



69.0083, 75.3170, 79.9041

# Sweetspot

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



72.7046, 75.3202, 89.3048



93.3939, 97.9466, 108.5909



75.1848, 80.7405, 90.2203



20.0076, 20.9863, 23.2462



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.



72.7046, 75.3202, 89.3048



85.4270, 88.0797, 107.1063



74.4207, 76.2049, 89.3851



15.1164, 15.5520, 19.1274



8.5663, 3.4520, 43.9578



0.7161, 0.2934, 3.4538



# Inverse Universe

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



75.7705, 76.9174, 88.6987



90.1394, 90.5347, 106.1658



75.3455, 81.3898, 82.2634



16.0395, 16.0329, 18.9423



25.8268, 12.5334, 36.4846

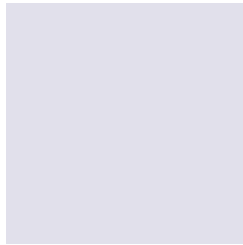


2.0453, 0.9911, 2.9558



# Previews

## White Background



This preview shows how the XYZ color 72.7024, 75.3170, 89.3031 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

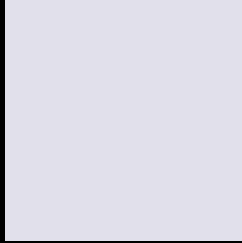
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.7024, 75.3170, 89.3031 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

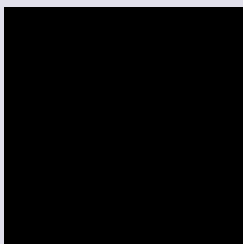
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

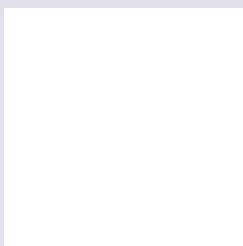
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 72.7024, 75.3170, 89.3031

## Background



This preview shows how black text looks on a background with the XYZ color 72.7024, 75.3170, 89.3031.



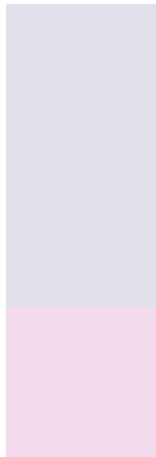
This preview shows how white text looks on a background with the XYZ color 72.7024, 75.3170,



# 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

72.7024, 75.3170, 89.3031

### Protanopia

73.0151, 75.4782, 89.3177

### Deuteranopia

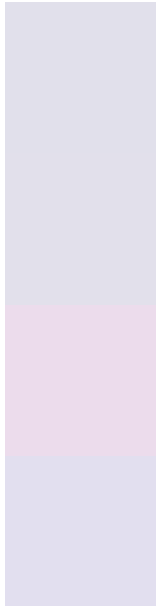
76.8297, 75.0762, 89.7987



## **Tritanopia**

73.6289, 75.2950, 93.8718

# Trichromacy



## Original Color

72.7024, 75.3170, 89.3031

## Protanomaly

73.0151, 75.4782, 89.3177

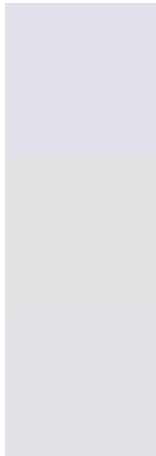
## Deuteranomaly

75.3256, 75.0754, 89.8778

## Tritanomaly

73.3317, 75.1761, 92.3068

# Monochromacy



## Original Color

72.7024, 75.3170, 89.3031

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.4321, 75.6763, 84.9182

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.7024, 75.3170, 89.3031 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(225, 224, 235) looks like.

```
.text, #text, p{  
    color:rgb(225, 224, 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(225, 224, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 224, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 72.7024, 75.3170, 89.3031 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(225, 224, 235) }
```



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

```
.border{ border-color:rgb(225, 224, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 224, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 224, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 224, 235);  
box-shadow:4px 4px 4px 4px rgb(225, 224,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.7024, 75.3170, 89.3031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 224, 235) }
```

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

```
.background{ background-color: rgb(225,  
224, 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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