

# Converting Colors

XYZ(73.0991, 77.4049, 83.2629)

Have a look what the booklet for  
XYZ(73.0991, 77.4049, 83.2629)  
contains.

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# Color

**XYZ(72.8349, 77.1465,  
83.0035)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E4E2
RGB	226, 228, 226
RGB Percent	89%, 89%, 89%
CMY	0.1137, 0.1059, 0.1137
CMYK	0.01, 0.00, 0.01, 0.11
HSL	120°, 4%, 89%
HSV	120°, 1%, 89%
XYZ	72.8349, 77.1465, 83.0035
YIQ	227.1740, -0.5500, -1.0460

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	226, 228, 228
Decimal	14869730
CIE Lab	90.39, -1.02, 0.73
CIE LCh	90, 1.257, 144.620
Yxy	77.1465, 0.3126, 0.3311
Android (android.graphics.Color)	4293059810 (0xFFE2E4E2)
YUV	227.1740, -0.5788, -1.0296
Hunter-Lab	87.8331, -5.6882, 5.4533

# Details

The XYZ color **72.8349, 77.1465, 83.0035** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.1977, 76.4901, 84.3087**, and the grayscale version is **73.1465, 76.9558, 83.8048**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0888, 41.4853, 44.4753** is the 20% darker color. If you saturate the color by 10%, you get **63.2319, 72.5359, 67.2946**, and if you desaturate by 10%, it is **83.8091, 82.4203, 100.9513**.

# Distribution



Red (89%)

Green (89%)

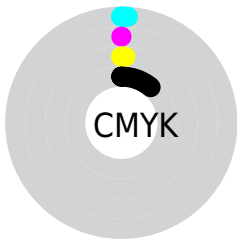
Blue (89%)



Red (89%)

Yellow (89%)

Blue (89%)



Cyan (1%)

Magenta (0%)

Yellow (1%)

Black (11%)



Cyan (11%)

Magenta (11%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8349, 77.1465, 83.0035 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 72.8349, 77.1465, 83.0035 by changing the saturation by 10% instead.



■ 72.8349, 77.1465,  
83.0035

■ 72.8349, 77.1465,  
83.0035

459.5551,  
485.2634, 524.9695

■ 54.1289, 57.3731,  
61.6524

122.2472,  
129.3463, 139.4296

■ 38.9358, 41.3049,  
44.3179

153.6842,  
162.5414, 175.3418

■ 26.8903, 28.5574,  
30.5815

190.0955,  
200.9793, 216.9447

■ 17.6270, 18.7463,  
20.0246

231.8466,  
245.0443, 264.6569

■ 10.7806, 11.4871,  
12.2287

279.3027,  
295.1208, 318.8969

■ 5.9857, 6.3954,  
6.7752

332.8292,

■ 2.8770, 3.0870,

351.5933, 380.0833

3.2456

392.7916,  
414.8460, 448.6347

■ 1.0890, 1.1773,  
1.2214

■ 0.0159, 0.0431,  
0.0000

■ 72.8349, 77.1465,  
83.0035

■ 72.8349, 77.1465,  
83.0035

■ 63.2319, 72.5359,  
67.2946

■ 83.8091, 82.4203,  
100.9513

■ 54.9400, 68.5529,  
53.7321

■ 87.0349, 83.9697,  
106.2283

■ 47.9044, 65.1733,  
42.2242

■ 42.0637, 62.3678,  
32.6708

■ 37.3517, 60.1044,  
24.9635

■ 33.6956, 58.3481,  
18.9830

■ 31.0139, 57.0600,  
14.5965

■ 29.2136, 56.1952,  
11.6514

■ 28.1834, 55.7004,  
9.9660

# Harmonies

## Analogous

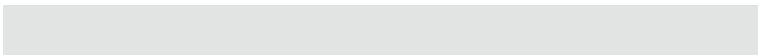
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.0745, 77.1465, 82.4393



72.8349, 77.1465, 83.0035



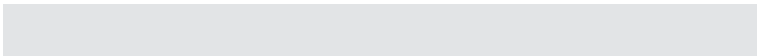
72.7267, 77.1465, 83.8376

# Triad

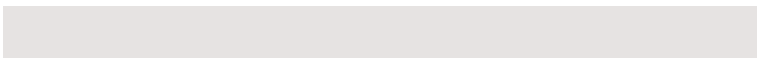
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.8349, 77.1465, 83.0035



73.2689, 77.1465, 85.7305



73.8750, 77.1465, 83.2821

# Complementary

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



72.8349, 77.1465, 83.0035



73.1977, 76.4901, 84.3087

# Split Complementary

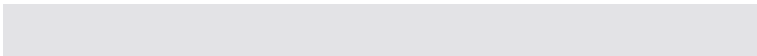
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.9274, 77.1465, 84.1615



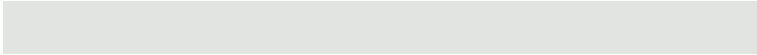
72.8349, 77.1465, 83.0035



73.5769, 77.1465, 85.5791

# Square

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



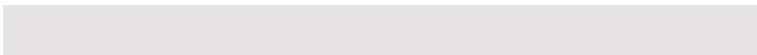
72.8349, 77.1465, 83.0035



72.9769, 77.1465, 85.4153



73.8182, 77.1465, 85.0033



73.6751, 77.1465, 82.5993



# Rectangle

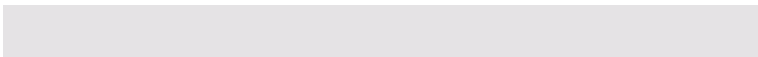
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.8349, 77.1465, 83.0035



72.7435, 77.1465, 84.4361



73.8182, 77.1465, 85.0033



73.9104, 77.1465, 83.5643

# Sweetspot

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



72.8371, 77.1498, 83.0052

95.0500, 100.0000, 108.9000



73.4691, 77.4757, 83.0347



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.8371, 77.1498, 83.0052



93.7102, 99.3564, 106.7086



72.9750, 77.2050, 83.7314



16.0048, 16.9612, 18.2315



16.0201, 32.0402, 5.3403



1.1838, 2.3677, 0.3947



# Inverse Universe

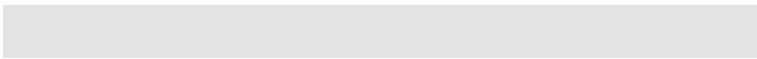
The Inverse Universe completely reimagines the original color for something new.



73.1977, 76.4901, 84.3087



94.2419, 98.3838, 108.6305



73.0590, 76.4346, 83.5783



16.0901, 16.8051, 18.5400



26.5602, 12.7583, 43.4406

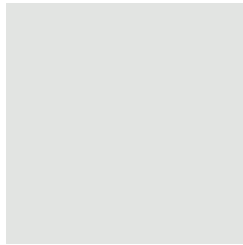


1.9627, 0.9428, 3.2102



# Previews

## White Background



This preview shows how the XYZ color 72.8349, 77.1465, 83.0035 looks on a white background.

## Color Contrast Check

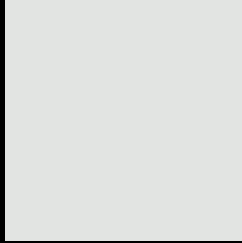
Large Text (above 18pt) WCAG AA × Fail

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 72.8349, 77.1465, 83.0035 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

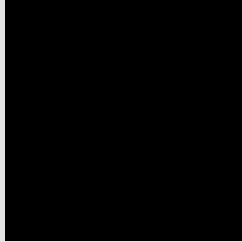
Any Text WCAG AAA ✓ Pass

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

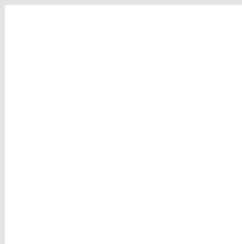


**XYZ 72.8349, 77.1465, 83.0035**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.8349, 77.1465, 83.0035.



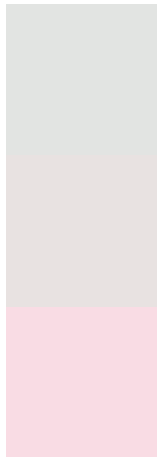
This preview shows how white text looks on a background with the XYZ color 72.8349, 77.1465,



# 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

72.8349, 77.1465, 83.0035

### Protanopia

74.0657, 76.9848, 82.1900

### Deuteranopia

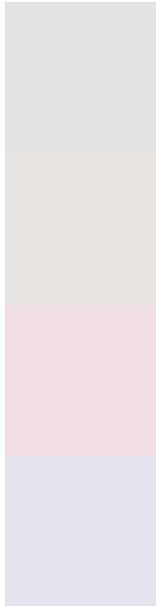
78.6637, 76.9276, 84.1013



## **Tritanopia**

75.4160, 76.9795, 95.6777

# Trichromacy



## Original Color

72.8349, 77.1465, 83.0035

## Protanomaly

73.6928, 77.1974, 82.2507

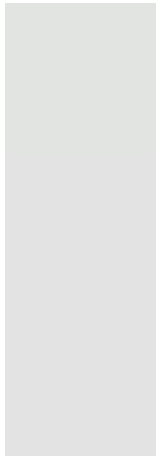
## Deuteranomaly

76.5284, 77.0222, 83.5063

## Tritanomaly

74.4773, 77.0011, 91.0581

# Monochromacy



## Original Color

72.8349, 77.1465, 83.0035

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

73.0128, 76.8151, 83.6517

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.8349, 77.1465, 83.0035 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(226, 228, 226) looks like.

```
.text, #text, p{  
    color:rgb(226, 228, 226)  
}
```

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(226, 228, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 228, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 72.8349, 77.1465, 83.0035 is called "border". The border property can be set on classes, ids or directly on the HTML element.

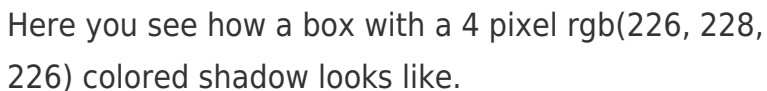
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 228, 226) }
```

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

```
.border{ border-color:rgb(226, 228, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(226, 228, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 228, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 228, 226); box-shadow:4px 4px 4px 4px rgb(226, 228, 226) }
```



# Background

The CSS property to change the background color of an element to XYZ 72.8349, 77.1465, 83.0035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 228, 226) }
```

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

```
.background{ background-color: rgb(226,  
228, 226) }
```

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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