

# Converting Colors

XYZ(72.7837, 76.3473, 83.2784)

Have a look what the booklet for  
XYZ(72.7837, 76.3473, 83.2784)  
contains.

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# **Color**

**XYZ(72.7400, 76.2697,  
83.5608)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3E2E3
RGB	227, 226, 227
RGB Percent	89%, 89%, 89%
CMY	0.1098, 0.1137, 0.1098
CMYK	0.00, 0.00, 0.00, 0.11
HSL	300°, 2%, 89%
HSV	300°, 0%, 89%
XYZ	72.7400, 76.2697, 83.5608
YIQ	226.4130, 0.2750, 0.5230

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	227, 226, 227
Decimal	14934755
CIE Lab	89.98, 0.52, -0.38
CIE LCh	90, 0.643, 324.017
Yxy	76.2697, 0.3128, 0.3279
Android (android.graphics.Color)	4293124835 (0xFFE3E2E3)
YUV	226.4130, 0.2894, 0.5148
Hunter-Lab	87.3325, -4.1578, 4.4034

# Details

The XYZ color **72.7400, 76.2697, 83.5608** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.5637, 76.6001, 82.9163**, and the grayscale version is **72.5873, 76.3675, 83.1642**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0226, 40.8750, 44.8627** is the 20% darker color. If you saturate the color by 10%, you get **66.9694, 64.7320, 81.6391**, and if you desaturate by 10%, it is **79.3321, 89.4484, 85.7582**.

# Distribution



Red (89%)

Green (89%)

Blue (89%)



Red (89%)

Yellow (89%)

Blue (89%)



Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (11%)



Cyan (11%)

Magenta (11%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7400, 76.2697, 83.5608 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 72.7400, 76.2697, 83.5608 by changing the saturation by 10% instead.



■ 72.7400, 76.2697,  
83.5608

■ 72.7400, 76.2697,  
83.5608

459.2310,  
482.2704, 526.8735

■ 54.0510, 56.6537,  
62.1096

122.1132,  
128.1081, 140.2169

■ 38.8733, 40.7273,  
44.6849

153.5280,  
161.0992, 176.2588

■ 26.8414, 28.1060,  
30.8682

189.9156,  
199.3175, 218.0015

■ 17.5901, 18.4056,  
20.2409

231.6412,  
243.1474, 265.8633

■ 10.7540, 11.2416,  
12.3844

279.0702,  
292.9732, 320.2629

■ 5.9678, 6.2296,  
6.8804

332.5679,

■ 2.8660, 2.9852,

349.1794, 381.6187

3.3101

392.4997,  
412.1504, 450.3494

■ 1.0833, 1.1240,  
1.2551

■ 0.0111, 0.0000,  
0.0245

■ 72.7400, 76.2697,  
83.5608

■ 72.7400, 76.2697,  
83.5608

■ 66.9694, 64.7320,  
81.6391

■ 79.3321, 89.4484,  
85.7582

■ 61.9820, 54.7616,  
79.9775

■ 81.3103, 93.4003,  
86.4168

■ 57.7460, 46.2940,  
78.5663

■ 81.3133, 93.4019,  
86.4169

■ 54.2249, 39.2562,  
77.3935

■ 81.3163, 93.4034,  
86.4171

51.3793, 33.5696,  
76.4458

81.3193, 93.4050,  
86.4172

49.1660, 29.1474,  
75.7089

81.3223, 93.4065,  
86.4173

47.5367, 25.8932,  
75.1666

81.3253, 93.4080,  
86.4175

46.4362, 23.6965,  
74.8007

81.3282, 93.4096,  
86.4176

45.7986, 22.4259,  
74.5890

81.3312, 93.4111,  
86.4178

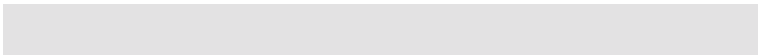
# Harmonies

## Analogous

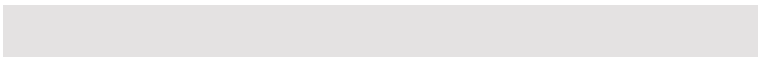
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.6167, 76.2697, 83.8479



72.7400, 76.2697, 83.5608



72.7969, 76.2697, 83.1361

# Triad

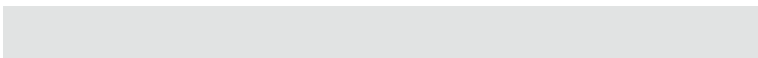
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.7400, 76.2697, 83.5608



72.5240, 76.2697, 82.1760



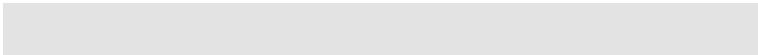
72.2129, 76.2697, 83.4020

# Complementary

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



72.7400, 76.2697, 83.5608



72.5637, 76.6001, 82.9163

# 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.



72.1881, 76.2697, 82.9534



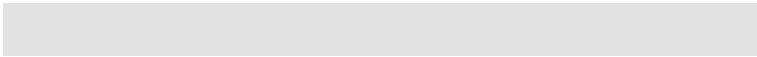
72.7400, 76.2697, 83.5608



72.3676, 76.2697, 82.2467

# Square

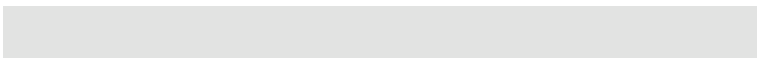
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



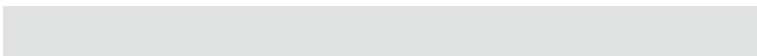
72.7400, 76.2697, 83.5608



72.6720, 76.2697, 82.3375



72.2447, 76.2697, 82.5308



72.3124, 76.2697, 83.7560



# Rectangle

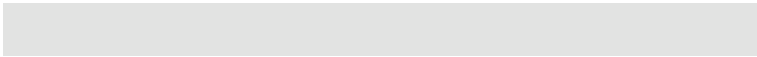
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.7400, 76.2697, 83.5608



72.7894, 76.2697, 82.8326



72.2447, 76.2697, 82.5308



72.1955, 76.2697, 83.2572

# Sweetspot

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



72.7422, 76.2730, 83.5625

95.0500, 100.0000, 108.9000



72.4335, 76.1206, 83.5493



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

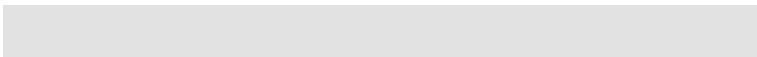
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7422, 76.2730, 83.5625



94.2415, 98.3836, 108.6306



72.6759, 76.2465, 83.2129



16.0900, 16.8051, 18.5400



26.5441, 12.7499, 43.4451

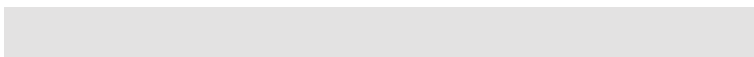


1.9617, 0.9423, 3.2104



# Inverse Universe

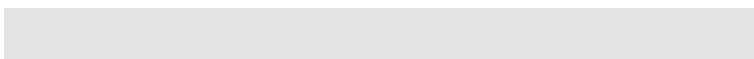
The Inverse Universe completely reimagines the original color for something new.



72.6052, 76.2182, 82.8407



93.8342, 98.2207, 106.4836



72.6297, 76.6265, 83.2648



16.0247, 16.7789, 18.1954



18.4755, 9.5244, 0.8668

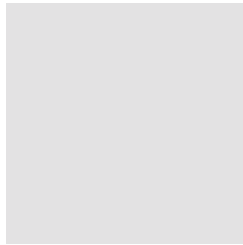


1.3654, 0.7039, 0.0645



# Previews

## White Background



This preview shows how the XYZ color 72.7400, 76.2697, 83.5608 looks on a white background.

## Color Contrast Check

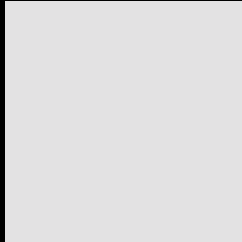
Large Text (above 18pt) WCAG AA × Fail

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 72.7400, 76.2697, 83.5608 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

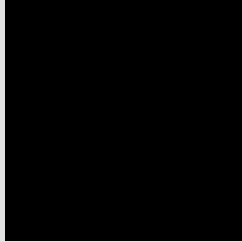
Any Text WCAG AAA ✓ Pass

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

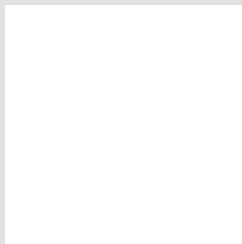


**XYZ 72.7400, 76.2697, 83.5608**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.7400, 76.2697, 83.5608.



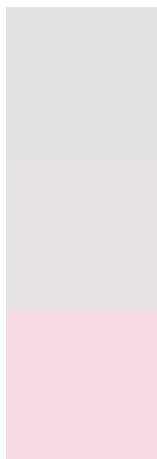
This preview shows how white text looks on a background with the XYZ color 72.7400, 76.2697,



# 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

72.7400, 76.2697, 83.5608

### Protanopia

73.2858, 76.1644, 82.7901

### Deuteranopia

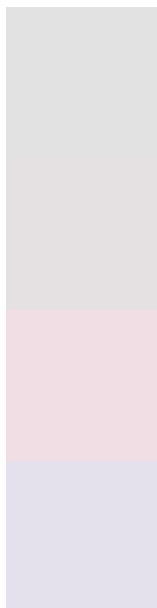
77.6929, 76.0386, 83.9809



## Tritanopia

74.8459, 76.3202, 94.0056

# Trichromacy



## Original Color

72.7400, 76.2697, 83.5608

## Protanomaly

72.9658, 75.9994, 82.7752

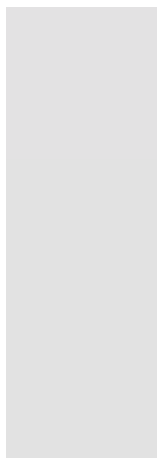
## Deuteranomaly

76.0600, 76.3693, 84.1307

## Tritanomaly

74.0604, 76.4005, 90.2003

# Monochromacy



## Original Color

72.7400, 76.2697, 83.5608

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.2879, 76.0525, 82.8211

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.7400, 76.2697, 83.5608 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(227, 226, 227) looks like.

```
.text, #text, p{  
    color:rgb(227, 226, 227)  
}
```

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(227, 226, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 226, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 72.7400, 76.2697, 83.5608 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(227, 226, 227) }
```

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

```
.border{ border-color:rgb(227, 226, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 226, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 226, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 226, 227);  
box-shadow:4px 4px 4px 4px rgb(227, 226,  
227) }
```



# Background

The CSS property to change the background color of an element to XYZ 72.7400, 76.2697, 83.5608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 226, 227) }
```

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

```
.background{ background-color: rgb(227,  
226, 227) }
```

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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