

# Converting Colors

XYZ(73.8810, 76.8759, 82.8973)

Have a look what the booklet for  
XYZ(73.8810, 76.8759, 82.8973)  
contains.

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# **Color**

**XYZ(73.8788, 76.8726,  
82.8956)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7E2E2
RGB	231, 226, 226
RGB Percent	91%, 89%, 89%
CMY	0.0941, 0.1137, 0.1137
CMYK	0.00, 0.02, 0.02, 0.09
HSL	0°, 9%, 90%
HSV	0°, 2%, 91%
XYZ	73.8788, 76.8726, 82.8956
YIQ	227.4950, 2.9800, 1.0600

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 226, 226
Decimal	15196898
CIE Lab	90.26, 1.69, 0.59
CIE LCh	90, 1.794, 19.193
Yxy	76.8726, 0.3162, 0.3290
Android (android.graphics.Color)	4293386978 (0xFFE7E2E2)
YUV	227.4950, -0.7370, 3.0739
Hunter-Lab	87.6770, -3.0263, 5.3173

# Details

The XYZ color **73.8788, 76.8726, 82.8956** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.3637, 79.0890, 86.9486**, and the grayscale version is **73.3796, 77.2010, 84.0719**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.5928, 41.1801, 44.3899** is the 20% darker color. If you saturate the color by 10%, you get **65.0610, 63.9718, 65.3571**, and if you desaturate by 10%, it is **83.9730, 91.6407, 102.9683**.

# Distribution



Red (91%)

Green (89%)

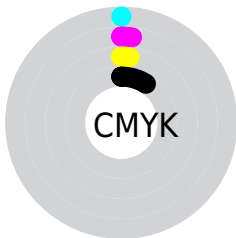
Blue (89%)



Red (91%)

Yellow (89%)

Blue (89%)

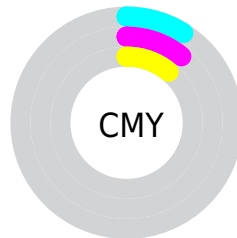


Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (9%)



Cyan (9%)

Magenta (11%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.8788, 76.8726, 82.8956 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 73.8788, 76.8726, 82.8956 by changing the saturation by 10% instead.



■ 73.8788, 76.8726,  
82.8956

■ 73.8788, 76.8726,  
82.8956

463.1117,  
484.3295, 524.6004

■ 54.9858, 57.1483,  
61.5639

123.7204,  
128.9596, 139.2772

■ 39.6241, 41.1243,  
44.2469

155.3997,  
162.0912, 175.1641

■ 27.4285, 28.4162,  
30.5261

192.0718,  
200.4606, 216.7399

■ 18.0336, 18.6397,  
19.9828

234.1020,  
244.4523, 264.4231

■ 11.0739, 11.4102,  
12.1986

281.8558,  
294.4506, 318.6322

■ 6.1842, 6.3435,  
6.7549

335.6984,

■ 2.9992, 3.0550,

350.8400, 379.7857

3.2332

395.9953,  
414.0048, 448.3023

■ 1.1533, 1.1605,  
1.2149

■ 0.0690, 0.0291,  
0.0000

■ 73.8788, 76.8726,  
82.8956

■ 73.8788, 76.8726,  
82.8956

■ 65.0610, 63.9718,  
65.3571

■ 83.9730, 91.6407,  
102.9683

■ 57.4626, 52.8546,  
50.2474

■ 86.7654, 95.7291,  
108.5123

■ 51.0319, 43.4456,  
37.4609

■ 45.7111, 35.6601,  
26.8825

■ 41.4375, 29.4063,  
18.3873

■ 38.1419, 24.5834,  
11.8377

■ 35.7471, 21.0781,  
7.0799

■ 34.1642, 18.7606,  
3.9367

■ 33.2861, 17.4744,  
2.1951

# Harmonies

## Analogous

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



73.9115, 76.8726, 84.1630



73.8788, 76.8726, 82.8956



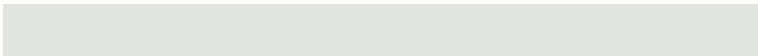
73.6275, 76.8726, 81.8541

# Triad

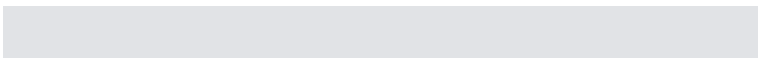
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.8788, 76.8726, 82.8956



72.4173, 76.8726, 82.1048



72.9043, 76.8726, 86.1393

# Complementary

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



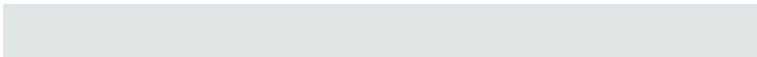
73.8788, 76.8726, 82.8956



74.3637, 79.0890, 86.9486

# 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.



72.5055, 76.8726, 85.5758



73.8788, 76.8726, 82.8956



72.2252, 76.8726, 83.2411

# Square

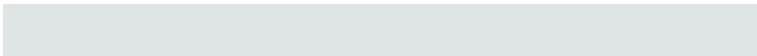
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



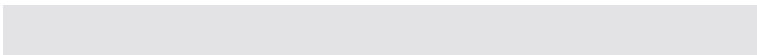
73.8788, 76.8726, 82.8956



72.7833, 76.8726, 81.4008



72.2574, 76.8726, 84.5120



73.3477, 76.8726, 86.0445

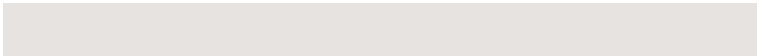


# Rectangle

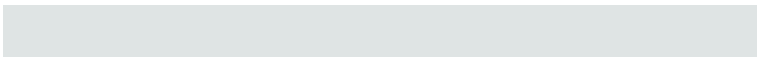
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.8788, 76.8726, 82.8956



73.3705, 76.8726, 81.4241



72.2574, 76.8726, 84.5120



72.7606, 76.8726, 86.0204

# Sweetspot

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



73.8810, 76.8759, 82.8973



93.8346, 98.2219, 106.4829



74.5762, 77.1523, 86.5636



20.0973, 21.0423, 22.8172



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.



73.8810, 76.8759, 82.8973



91.4523, 94.7364, 101.7450



74.5647, 78.2434, 83.1252



15.4542, 15.9444, 17.0606



18.4765, 9.5272, 0.8651

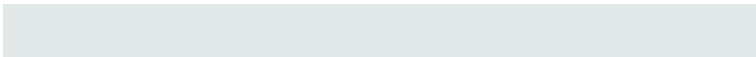


1.3657, 0.7047, 0.0640



# Inverse Universe

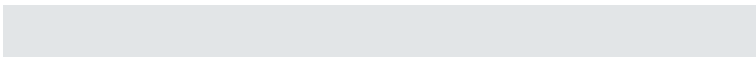
The Inverse Universe completely reimagines the original color for something new.



74.3637, 79.0890, 86.9486



92.2894, 98.5741, 108.7703



73.6701, 77.7018, 86.7174



15.6323, 16.7610, 18.5556



24.0788, 35.2196, 47.9122

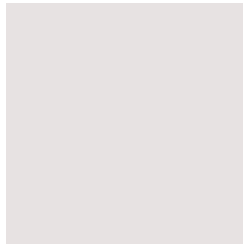


1.7796, 2.6032, 3.5406



# Previews

## White Background



This preview shows how the XYZ color 73.8788, 76.8726, 82.8956 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 73.8788, 76.8726, 82.8956 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

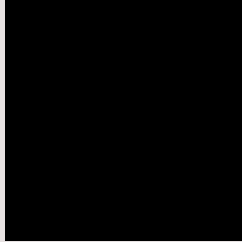
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

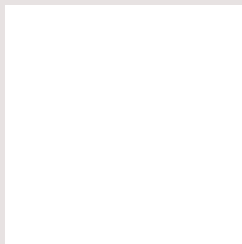
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.8788, 76.8726, 82.8956**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.8788, 76.8726, 82.8956.



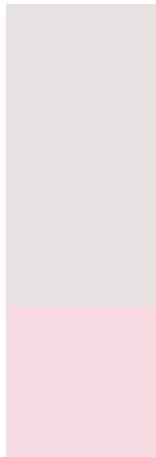
This preview shows how white text looks on a background with the XYZ color 73.8788, 76.8726,

82.8956.

# 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

73.8788, 76.8726, 82.8956

### Protanopia

73.8788, 76.8726, 82.8956

### Deuteranopia

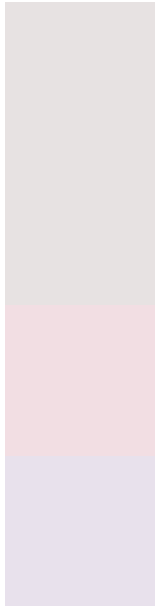
78.5252, 76.8722, 83.3721



## Tritanopia

76.1371, 76.9858, 94.0660

# Trichromacy



## Original Color

73.8788, 76.8726, 82.8956

## Protanomaly

73.8788, 76.8726, 82.8956

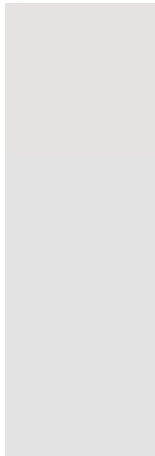
## Deuteranomaly

76.6044, 76.6658, 83.4336

## Tritanomaly

75.3442, 77.0624, 90.2603

# Monochromacy



## Original Color

73.8788, 76.8726, 82.8956

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

73.3291, 76.9782, 83.6665

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.8788, 76.8726, 82.8956 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(231, 226, 226) looks like.

```
.text, #text, p{  
    color:rgb(231, 226, 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(231, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 226, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 73.8788, 76.8726, 82.8956 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(231, 226, 226) }
```



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

```
.border{ border-color:rgb(231, 226, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(231, 226,  
226) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.8788, 76.8726, 82.8956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 226, 226) }
```

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

```
.background{ background-color: rgb(231,  
226, 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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