

# Converting Colors

XYZ(73.1417, 76.3198, 82.5135)

Have a look what the booklet for  
XYZ(73.1417, 76.3198, 82.5135)  
contains.

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# Color

**XYZ(73.2369, 76.5417,  
82.8655)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E5E2E2
RGB	229, 226, 226
RGB Percent	90%, 89%, 89%
CMY	0.1020, 0.1137, 0.1137
CMYK	0.00, 0.01, 0.01, 0.10
HSL	0°, 5%, 89%
HSV	0°, 1%, 90%
XYZ	73.2369, 76.5417, 82.8655
YIQ	226.8970, 1.7880, 0.6360

# Conversions

## Conversions Part 2

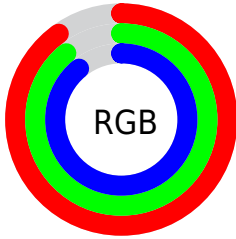
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 226, 226
Decimal	15065826
CIE Lab	90.11, 1.02, 0.35
CIE LCh	90, 1.075, 18.919
Yxy	76.5417, 0.3148, 0.3290
Android (android.graphics.Color)	4293255906 (0xFFE5E2E2)
YUV	226.8970, -0.4422, 1.8443
Hunter-Lab	87.4881, -3.6806, 5.0844

# Details

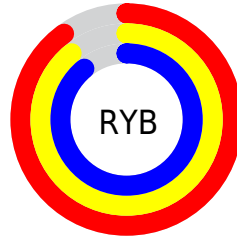
The XYZ color **73.2369, 76.5417, 82.8655** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.5262, 77.8634, 85.2837**, and the grayscale version is **72.9429, 76.7416, 83.5716**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.3692, 41.0648, 44.3794** is the 20% darker color. If you saturate the color by 10%, you get **64.4930, 63.7507, 65.4693**, and if you desaturate by 10%, it is **83.2343, 91.1662, 102.7521**.

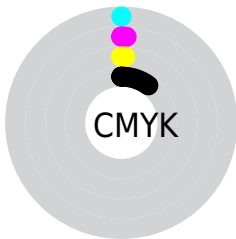
# Distribution



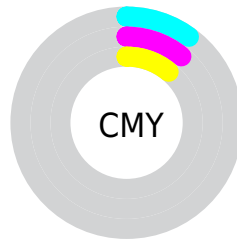
- Red (90%)
- Green (89%)
- Blue (89%)



- Red (90%)
- Yellow (89%)
- Blue (89%)



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (10%)



- Cyan (10%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.2369, 76.5417, 82.8655 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 73.2369, 76.5417, 82.8655 by changing the saturation by 10% instead.



■ 73.2369, 76.5417,  
82.8655

■ 73.2369, 76.5417,  
82.8655

460.9265,  
483.2000, 524.4974

■ 54.4588, 56.8768,  
61.5392

122.8148,  
128.4923, 139.2346

■ 39.2007, 40.9063,  
44.2271

154.3452,  
161.5469, 175.1145

■ 27.0973, 28.2459,  
30.5106

190.8572,  
199.8334, 216.6828

■ 17.7833, 18.5111,  
19.9711

232.7159,  
243.7364, 264.3579

■ 10.8933, 11.3176,  
12.1902

280.2869,  
293.6401, 318.5583

■ 6.0619, 6.2809,  
6.7492

333.9354,

■ 2.9238, 3.0166,

349.9290, 379.7027

3.2297

394.0269,  
412.9875, 448.2096

■ 1.1136, 1.1404,  
1.2131

■ 0.0364, 0.0122,  
0.0000

■ 73.2369, 76.5417,  
82.8655

■ 73.2369, 76.5417,  
82.8655

■ 64.4930, 63.7507,  
65.4693

■ 83.2343, 91.1662,  
102.7521

■ 56.9471, 52.7114,  
50.4605

■ 86.1235, 95.3982,  
108.4822

■ 50.5490, 43.3507,  
37.7365

■ 45.2425, 35.5863,  
27.1855

■ 40.9666, 29.3293,  
18.6859

■ 37.6545, 24.4817,  
12.1044

■ 35.2313, 20.9345,  
7.2920

■ 33.6114, 18.5622,  
4.0777

■ 32.6922, 17.2149,  
2.2569

# Harmonies

## Analogous

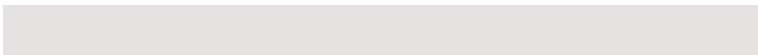
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2551, 76.5417, 83.6236



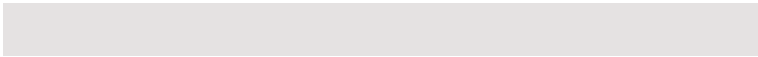
73.2369, 76.5417, 82.8655



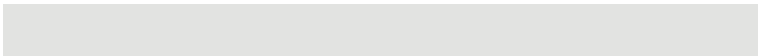
73.0882, 76.5417, 82.2385

# Triad

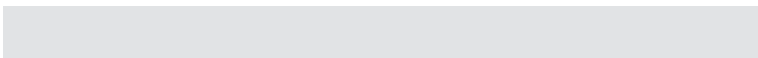
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.2369, 76.5417, 82.8655



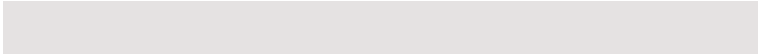
72.3646, 76.5417, 82.3793



72.6520, 76.5417, 84.7909

# Complementary

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



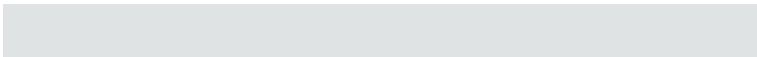
73.2369, 76.5417, 82.8655



73.5262, 77.8634, 85.2837

# 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.



72.4140, 76.5417, 84.4531



73.2369, 76.5417, 82.8655



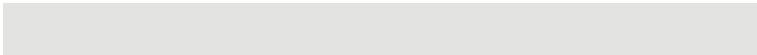
72.2484, 76.5417, 83.0589

# Square

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



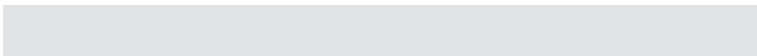
73.2369, 76.5417, 82.8655



72.5844, 76.5417, 81.9589



72.2664, 76.5417, 83.8181



72.9170, 76.5417, 84.7383



# Rectangle

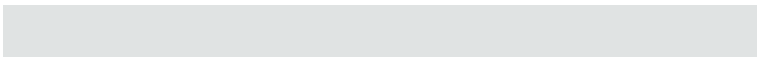
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



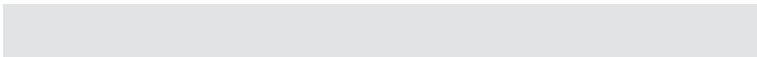
73.2369, 76.5417, 82.8655



72.9352, 76.5417, 81.9777



72.2664, 76.5417, 83.8181



72.5662, 76.5417, 84.7191

# Sweetspot

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



73.2391, 76.5450, 82.8672

95.0500, 100.0000, 108.9000



73.6534, 76.7090, 85.0541



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

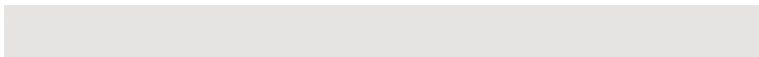
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.2391, 76.5450, 82.8672



92.6363, 96.4691, 104.0982



73.6477, 77.3622, 83.0034



15.8323, 16.4976, 17.8123



18.4776, 9.5293, 0.8655



1.3660, 0.7053, 0.0641



# Inverse Universe

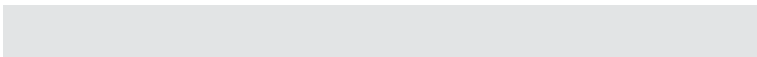
The Inverse Universe completely reimagines the original color for something new.



73.5262, 77.8634, 85.2837



93.1964, 99.0413, 108.8126



73.1140, 77.0391, 85.1463



15.9222, 16.9106, 18.5692



24.0597, 35.1814, 47.9058

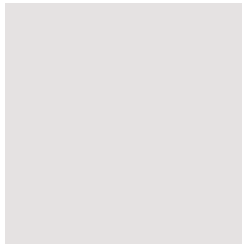


1.7785, 2.6008, 3.5402



# Previews

## White Background



This preview shows how the XYZ color 73.2369, 76.5417, 82.8655 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 73.2369, 76.5417, 82.8655 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

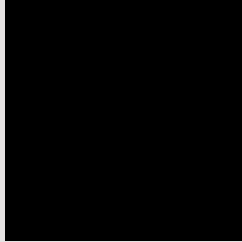
Any Text WCAG AAA ✓ Pass

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

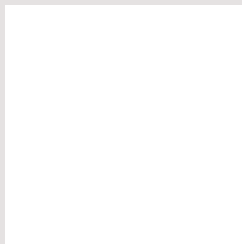


**XYZ 73.2369, 76.5417, 82.8655**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.2369, 76.5417, 82.8655.



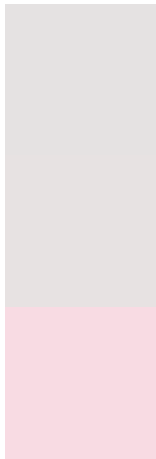
This preview shows how white text looks on a background with the XYZ color 73.2369, 76.5417,

82.8655.

# 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

73.2369, 76.5417, 82.8655

### Protanopia

73.8788, 76.8726, 82.8956

### Deuteranopia

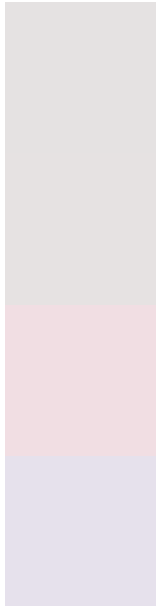
77.9080, 76.1655, 83.2683



## **Tritanopia**

75.4878, 76.6511, 94.0356

# Trichromacy



## Original Color

73.2369, 76.5417, 82.8655

## Protanomaly

73.5570, 76.7067, 82.8805

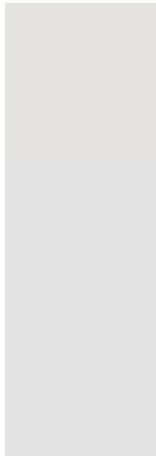
## Deuteranomaly

76.2620, 76.4894, 83.4175

## Tritanomaly

74.6987, 76.7296, 90.2301

# Monochromacy



## Original Color

73.2369, 76.5417, 82.8655

## 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 73.2369, 76.5417, 82.8655 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(229, 226, 226) looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 226, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 226, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 73.2369, 76.5417, 82.8655 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(229, 226, 226) }
```

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

```
.border{ border-color:rgb(229, 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(229, 226, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 226, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 226, 226);  
box-shadow:4px 4px 4px 4px rgb(229, 226,  
226) }
```



# Background

The CSS property to change the background color of an element to XYZ 73.2369, 76.5417, 82.8655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 226, 226) }
```

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

```
.background{ background-color: rgb(229,  
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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