

# Converting Colors

XYZ(72.6530, 76.6279, 81.9673)

Have a look what the booklet for  
XYZ(72.6530, 76.6279, 81.9673)  
contains.

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# **Color**

**XYZ(72.7382, 76.7053,  
82.2061)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3E3E1
RGB	227, 227, 225
RGB Percent	89%, 89%, 88%
CMY	0.1098, 0.1098, 0.1176
CMYK	0.00, 0.00, 0.01, 0.11
HSL	60°, 3%, 89%
HSV	60°, 1%, 89%
XYZ	72.7382, 76.7053, 82.2061
YIQ	226.7720, 0.6420, -0.6220

# Conversions

## Conversions Part 2

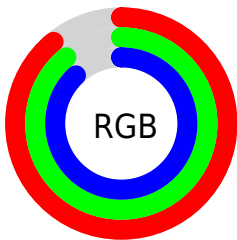
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 227, 225
Decimal	14935009
CIE Lab	90.19, -0.35, 0.96
CIE LCh	90, 1.027, 110.030
Yxy	76.7053, 0.3140, 0.3311
Android (android.graphics.Color)	4293125089 (0xFFE3E3E1)
YUV	226.7720, -0.8736, 0.2000
Hunter-Lab	87.5816, -5.0200, 5.6561

# Details

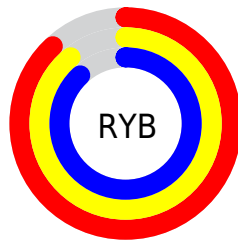
The XYZ color **72.7382, 76.7053, 82.2061** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.8447, 75.4062, 83.4452**, and the grayscale version is **72.8557, 76.6498, 83.4717**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0215, 41.1780, 43.9217** is the 20% darker color. If you saturate the color by 10%, you get **69.8307, 75.5430, 66.9650**, and if you desaturate by 10%, it is **76.0618, 78.0389, 99.6190**.

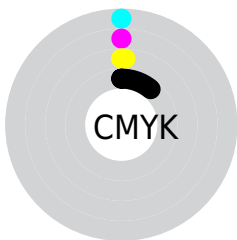
# Distribution



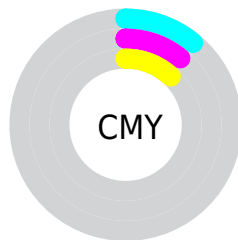
- Red (89%)
- Green (89%)
- Blue (88%)



- Red (88%)
- Yellow (89%)
- Blue (88%)



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7382, 76.7053, 82.2061 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 72.7382, 76.7053, 82.2061 by changing the saturation by 10% instead.



■ 72.7382, 76.7053,  
82.2061

■ 72.7382, 76.7053,  
82.2061

459.2248,  
483.7587, 522.2384

■ 54.0495, 57.0110,  
60.9986

122.1106,  
128.7234, 138.3023

■ 38.8721, 41.0141,  
43.7935

153.5251,  
161.8160, 174.0280

■ 26.8405, 28.3301,  
30.1722

189.9122,  
200.1436, 215.4303

■ 17.5894, 18.5746,  
19.7162

231.6373,  
244.0904, 262.9277

■ 10.7535, 11.3633,  
12.0069

279.0657,  
294.0409, 316.9386

■ 5.9674, 6.3118,  
6.6258

332.5629,

■ 2.8658, 3.0356,

350.3795, 377.8817

3.1543

392.4941,  
413.4907, 446.1754

■ 1.0832, 1.1503,  
1.1740

■ 0.0110, 0.0206,  
0.0000

■ 72.7382, 76.7053,  
82.2061

■ 72.7382, 76.7053,  
82.2061

■ 69.8307, 75.5430,  
66.9650

■ 76.0618, 78.0389,  
99.6190

■ 67.3167, 74.5356,  
53.8058

■ 77.2299, 78.5079,  
105.6908

■ 65.1813, 73.6797,  
42.6397

■ 77.2451, 78.5158,  
105.6915

■ 63.4058, 72.9678,  
33.3696

■ 77.2603, 78.5236,  
105.6923

61.9705, 72.3919,  
25.8902

77.2755, 78.5314,  
105.6930

60.8532, 71.9432,  
20.0860

77.2907, 78.5393,  
105.6937

60.0296, 71.6120,  
15.8280

77.3059, 78.5471,  
105.6944

59.4715, 71.3871,  
12.9685

77.3212, 78.5550,  
105.6951

59.1456, 71.2549,  
11.3311

77.3364, 78.5628,  
105.6958

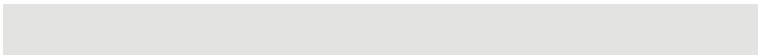
# Harmonies

## Analogous

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



72.9910, 76.7053, 82.1430



72.7382, 76.7053, 82.2061



72.5308, 76.7053, 82.6198

# Triad

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



72.7382, 76.7053, 82.2061



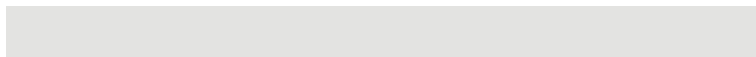
72.5914, 76.7053, 84.6003



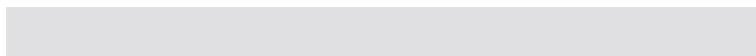
73.3903, 76.7053, 83.7625

# Complementary

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



72.7382, 76.7053, 82.2061



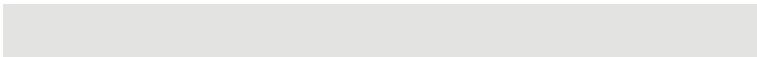
71.8447, 75.4062, 83.4452

# Split Complementary

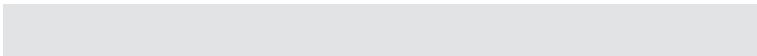
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.2827, 76.7053, 84.4247



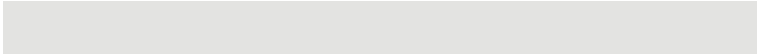
72.7382, 76.7053, 82.2061



72.8212, 76.7053, 84.9103

# Square

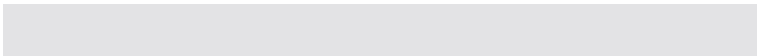
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



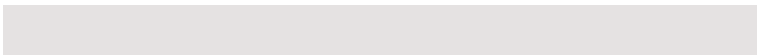
72.7382, 76.7053, 82.2061



72.4462, 76.7053, 84.0011



73.0742, 76.7053, 84.8459



73.3679, 76.7053, 83.0388



# Rectangle

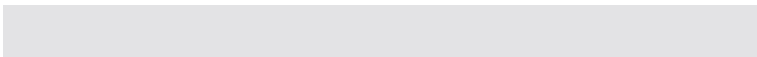
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



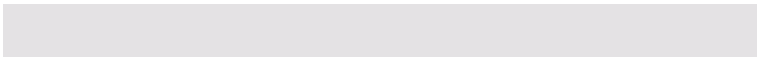
72.7382, 76.7053, 82.2061



72.4460, 76.7053, 83.0402



73.0742, 76.7053, 84.8459



73.3681, 76.7053, 83.9997

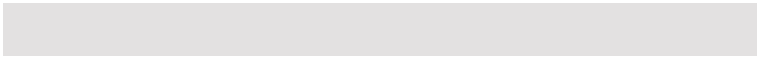
# Sweetspot

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



72.7404, 76.7086, 82.2078

95.0500, 100.0000, 108.9000



72.1968, 75.6195, 82.0262



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.



72.7404, 76.7086, 82.2078



94.6401, 99.8358, 106.7520



72.4266, 76.5468, 82.1931



16.1540, 17.0381, 18.2385



34.4080, 41.5195, 6.2006



2.5436, 3.0687, 0.4582



# Inverse Universe

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



71.8447, 75.4062, 83.4452



93.3119, 97.9044, 108.5871



72.1567, 75.5670, 83.4598



15.9409, 16.7282, 18.5330



8.0909, 3.2369, 42.5815

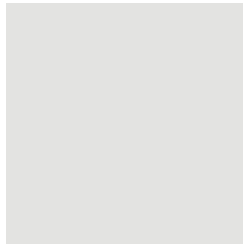


0.5989, 0.2397, 3.1467



# Previews

## White Background



This preview shows how the XYZ color 72.7382, 76.7053, 82.2061 looks on a white background.

## Color Contrast Check

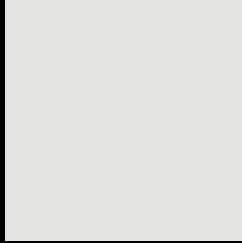
Large Text (above 18pt) WCAG AA × Fail

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 72.7382, 76.7053, 82.2061 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

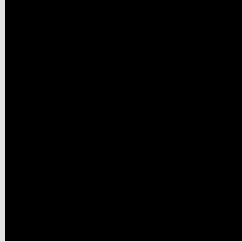
Any Text WCAG AAA ✓ Pass

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

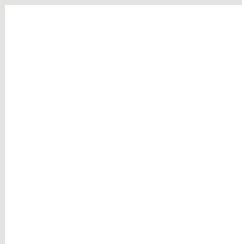


**XYZ 72.7382, 76.7053, 82.2061**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.7382, 76.7053, 82.2061.



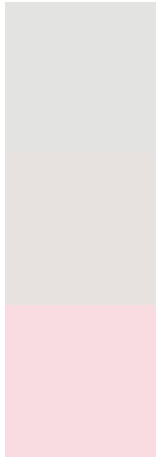
This preview shows how white text looks on a background with the XYZ color 72.7382, 76.7053,



# 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

72.7382, 76.7053, 82.2061

### Protanopia

73.6059, 76.7635, 81.4584

### Deuteranopia

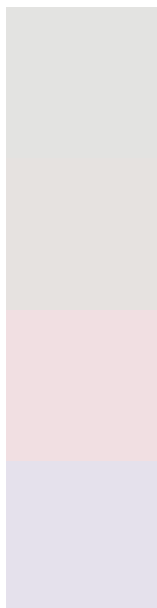
78.3876, 76.8171, 82.6472



## Tritanopia

75.3158, 76.5451, 94.8095

# Trichromacy



## Original Color

72.7382, 76.7053, 82.2061

## Protanomaly

73.2840, 76.5975, 81.4433

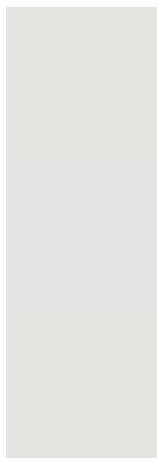
## Deuteranomaly

76.3908, 76.9671, 82.7814

## Tritanomaly

74.3786, 76.5646, 90.2151

# Monochromacy



## Original Color

72.7382, 76.7053, 82.2061

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

72.8751, 76.7601, 82.9267

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.7382, 76.7053, 82.2061 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, 227, 225) looks like.

```
.text, #text, p{  
    color:rgb(227, 227, 225)  
}
```

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, 227, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 227, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 72.7382, 76.7053, 82.2061 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, 227, 225) }
```

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

```
.border{ border-color:rgb(227, 227, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 227, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 227, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 227, 225);  
box-shadow:4px 4px 4px 4px rgb(227, 227,  
225) }
```



# Background

The CSS property to change the background color of an element to XYZ 72.7382, 76.7053, 82.2061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 227, 225) }
```

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

```
.background{ background-color: rgb(227,  
227, 225) }
```

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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