

# Converting Colors

XYZ(72.4893, 76.2647, 83.0500)

Have a look what the booklet for  
XYZ(72.4893, 76.2647, 83.0500)  
contains.

<b>XYZ(72.2879, 76.0525, 82.8211)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**XYZ(72.2879, 76.0525,  
82.8211)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2E2E2
RGB	226, 226, 226
RGB Percent	89%, 89%, 89%
CMY	0.1137, 0.1137, 0.1137
CMYK	0.00, 0.00, 0.00, 0.11
HSL	119°, 0%, 89%
HSV	119°, 0%, 89%
XYZ	72.2879, 76.0525, 82.8211
YIQ	226.0000, -0.0000, 0.0000

# Conversions

## Conversions Part 2

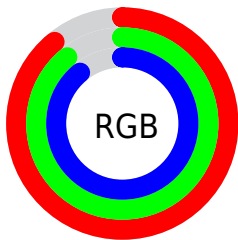
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 226, 226
Decimal	14869218
CIE Lab	89.88, 0.00, -0.01
CIE LCh	90, 0.011, 296.930
Yxy	76.0525, 0.3127, 0.3290
Android (android.graphics.Color)	4293059298 (0xFFE2E2E2)
YUV	226.0000, 0.0000, 0.0000
Hunter-Lab	87.2081, -4.6532, 4.7382

# Details

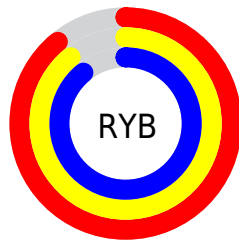
The XYZ color **72.2879, 76.0525, 82.8211** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.2907, 76.0545, 82.8253**, and the grayscale version is **72.2907, 76.0554, 82.8243**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7082, 40.7240, 44.3485** is the 20% darker color. If you saturate the color by 10%, you get **62.8389, 71.5186, 67.2433**, and if you desaturate by 10%, it is **83.0614, 81.2263, 100.5979**.

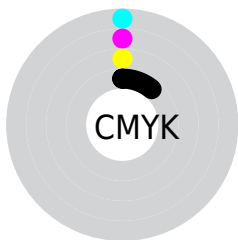
# Distribution



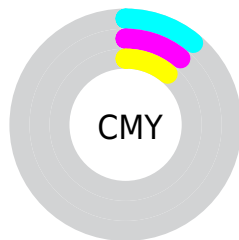
- Red (89%)
- Green (89%)
- Blue (89%)



- 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 72.2879, 76.0525, 82.8211 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 72.2879, 76.0525, 82.8211 by changing the saturation by 10% instead.



■ 72.2879, 76.0525,  
82.8211

■ 72.2879, 76.0525,  
82.8211

457.6851,  
481.5274, 524.3455

■ 53.6802, 56.4756,  
61.5028

121.4743,  
127.8011, 139.1719

■ 38.5757, 40.5843,  
44.1979

152.7838,  
160.7416, 175.0414

■ 26.6090, 27.9944,  
30.4878

189.0579,  
198.9053, 216.5985

■ 17.4149, 18.3215,  
19.9539

230.6620,  
242.6768, 264.2616

■ 10.6279, 11.1810,  
12.1778

277.9614,  
292.4403, 318.4494

■ 5.8826, 6.1887,  
6.7409

331.3215,

■ 2.8138, 2.9602,

348.5803, 379.5802

3.2246

391.1076,  
411.4812, 448.0727

■ 1.0561, 1.1110,  
1.2104

■ 0.0000, 0.0000,  
0.0000

■ 72.2879, 76.0525,  
82.8211

■ 72.2879, 76.0525,  
82.8211

■ 62.8389, 71.5186,  
67.2433

■ 83.0614, 81.2263,  
100.5979

■ 54.6573, 67.5904,  
53.7743

■ 86.4878, 82.8757,  
106.0459

■ 47.6910, 64.2454,  
42.3251

■ 41.8821, 61.4556,  
32.7983

■ 37.1680, 59.1912,  
25.0885

■ 33.4801, 57.4192,  
19.0804

■ 30.7420, 56.1029,  
14.6452

■ 28.8668, 55.2009,  
11.6360

■ 27.7516, 54.6638,  
9.8781

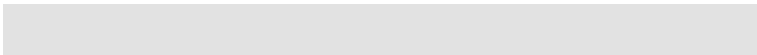
# Harmonies

## Analogous

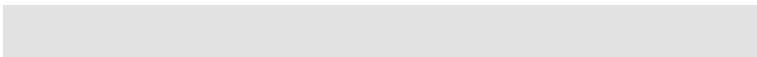
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.2854, 76.0525, 82.8226



72.2879, 76.0525, 82.8211



72.2898, 76.0525, 82.8161

# Triad

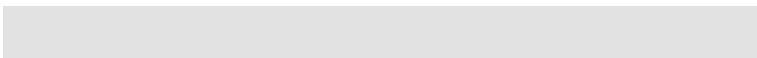
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.2879, 76.0525, 82.8211



72.2884, 76.0525, 82.7962



72.2806, 76.0525, 82.8075

# Complementary

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



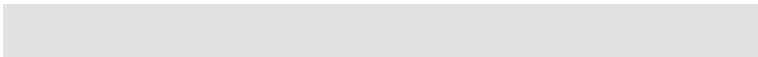
72.2879, 76.0525, 82.8211



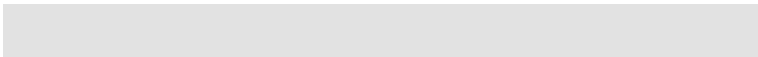
72.2907, 76.0545, 82.8253

# 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.



72.2814, 76.0525, 82.8004



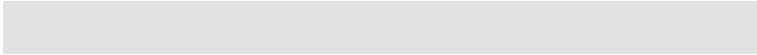
72.2879, 76.0525, 82.8211



72.2859, 76.0525, 82.7938

# Square

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



72.2879, 76.0525, 82.8211



72.2901, 76.0525, 82.8017



72.2833, 76.0525, 82.7954



72.2811, 76.0525, 82.8148



# Rectangle

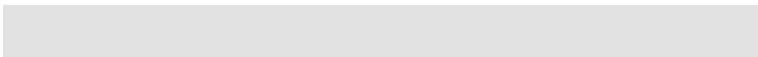
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



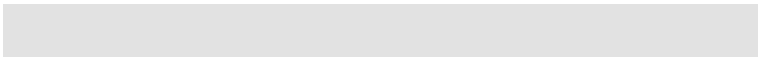
72.2879, 76.0525, 82.8211



72.2905, 76.0525, 82.8115



72.2833, 76.0525, 82.7954



72.2807, 76.0525, 82.8050

# Sweetspot

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



72.2901, 76.0558, 82.8228

95.0500, 100.0000, 108.9000



72.2913, 76.0564, 82.8228



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.



72.2901, 76.0558, 82.8228

95.0500, 100.0000, 108.9000



72.2903, 76.0559, 82.8241



15.4596, 16.2647, 17.7123



15.5425, 31.0450, 5.1731



1.0829, 2.1547, 0.3588



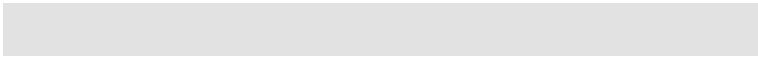
# Inverse Universe

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



72.2907, 76.0545, 82.8253

95.0500, 100.0000, 108.9000



72.2905, 76.0544, 82.8239



15.4596, 16.2647, 17.7123



25.2408, 12.1074, 42.0550

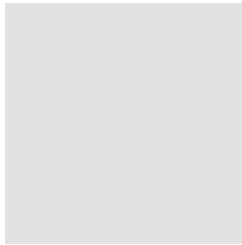


1.7550, 0.8420, 2.9153



# Previews

## White Background



This preview shows how the XYZ color 72.2879, 76.0525, 82.8211 looks on a white background.

## Color Contrast Check

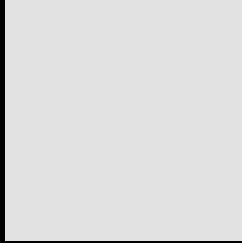
Large Text (above 18pt) WCAG AA × Fail

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 72.2879, 76.0525, 82.8211 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

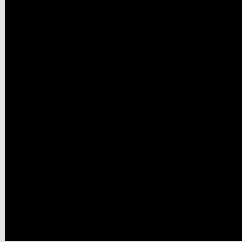
Any Text WCAG AAA ✓ Pass

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

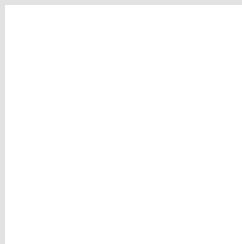


**XYZ 72.2879, 76.0525, 82.8211**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.2879, 76.0525, 82.8211.



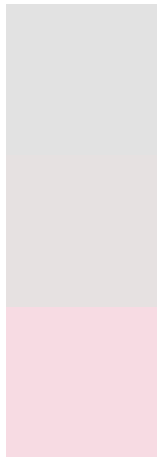
This preview shows how white text looks on a background with the XYZ color 72.2879, 76.0525,



# 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

72.2879, 76.0525, 82.8211

### Protanopia

73.1489, 76.1097, 82.0694

### Deuteranopia

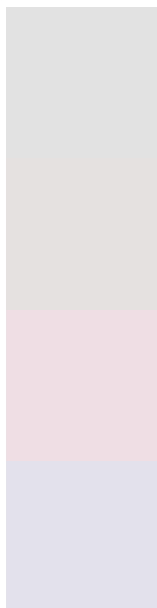
77.5544, 75.9832, 83.2517



## Tritanopia

74.5277, 76.1562, 93.9907

# Trichromacy



## Original Color

72.2879, 76.0525, 82.8211

## Protanomaly

72.8289, 75.9447, 82.0545

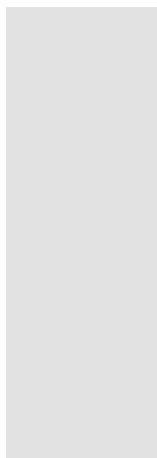
## Deuteranomaly

75.5830, 76.1393, 83.3858

## Tritanomaly

73.7441, 76.2374, 90.1854

# Monochromacy



## Original Color

72.2879, 76.0525, 82.8211

## 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 72.2879, 76.0525, 82.8211 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, 226, 226) looks like.

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

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

## Border

The CSS property to change the border of an element to XYZ 72.2879, 76.0525, 82.8211 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, 226, 226) }
```

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

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

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



# Background

The CSS property to change the background color of an element to XYZ 72.2879, 76.0525, 82.8211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(226,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor