

Converting Colors

XYZ(72.5229, 76.3034, 83.1004)

Have a look what the booklet for
XYZ(72.5229, 76.3034, 83.1004)
contains.

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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

Format	Color
R_{YB}	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



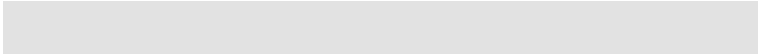
72.2879, 76.0525, 82.8211



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.



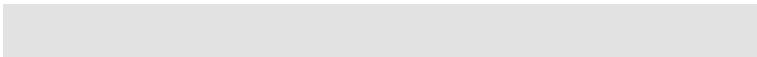
72.2879, 76.0525, 82.8211



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



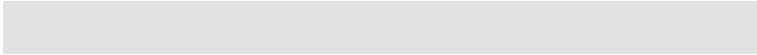
72.2879, 76.0525, 82.8211



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

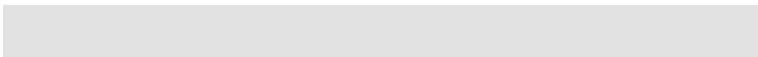
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



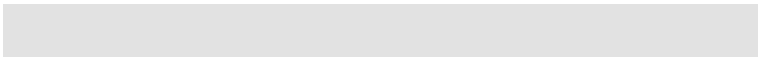
72.2879, 76.0525, 82.8211



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

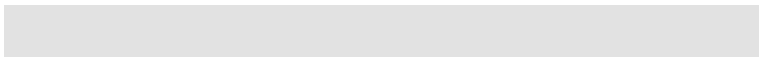
Same Dimension

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

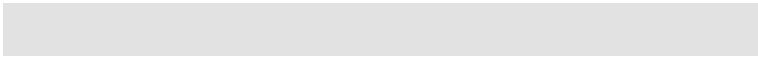
Inverse Universe

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



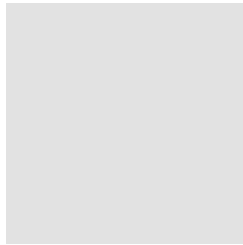
25.2408, 12.1074, 42.0550



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

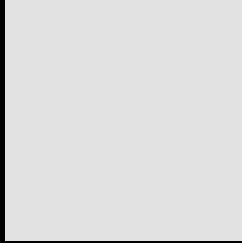
Large Text (above 18pt) WCAG AA × Fail

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

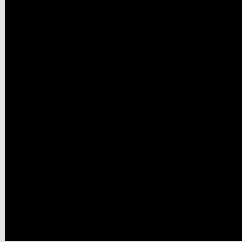
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

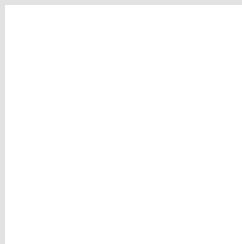
If you want to check with other color combinations, try the [Color Contrast Checker](#).

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.

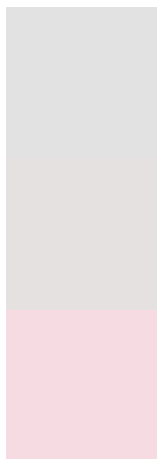


This preview shows how white text looks on a background with the XYZ color 72.2879, 76.0525,

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

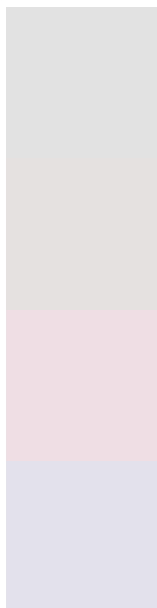
77.5544, 75.9832, 83.2517



Tritanopia

74.5277, 76.1562, 93.9907

Trichromacy



Original Color

72.2879, 76.0525, 82.8211

Protanomaly

72.8289, 75.9447, 82.0545

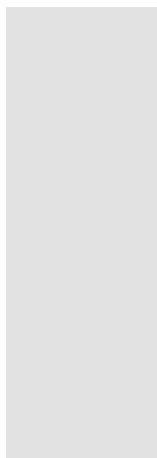
Deuteranomaly

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](#).

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