

Converting Colors

XYZ(72.7887, 76.8019, 83.8392)

Have a look what the booklet for
XYZ(72.7887, 76.8019, 83.8392)
contains.

XYZ(72.6982, 76.6530, 83.6369)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(72.6982, 76.6530,
83.6369)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E3E3
RGB	226, 227, 227
RGB Percent	89%, 89%, 89%
CMY	0.1137, 0.1098, 0.1098
CMYK	0.00, 0.00, 0.00, 0.11
HSL	180°, 2%, 89%
HSV	180°, 0%, 89%
XYZ	72.6982, 76.6530, 83.6369
YIQ	226.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

Format	Color
R_{YB}	226, 227, 227
Decimal	14869475
CIE Lab	90.16, -0.33, -0.13
CIE LCh	90, 0.355, 201.074
Yxy	76.6530, 0.3120, 0.3290
Android (android.graphics.Color)	4293059555 (0xFFE2E3E3)
YUV	226.7010, 0.1474, -0.6148
Hunter-Lab	87.5517, -4.9987, 4.6473

Details

The XYZ color **72.6982, 76.6530, 83.6369** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.6052, 76.2165, 82.8399**, and the grayscale version is **72.7976, 76.5888, 83.4052**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9935, 41.1415, 44.9157** is the 20% darker color. If you saturate the color by 10%, you get **66.0340, 73.2211, 83.2614**, and if you desaturate by 10%, it is **80.3092, 80.5773, 84.0599**.

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 72.6982, 76.6530, 83.6369 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 72.6982, 76.6530, 83.6369 by changing the saturation by 10% instead.

■ 72.6982, 76.6530,
83.6369

■ 72.6982, 76.6530,
83.6369

459.0882,
483.5801, 527.1332

■ 54.0167, 56.9681,
62.1720

122.0541,
128.6495, 140.3243

■ 38.8458, 40.9796,
44.7350

153.4593,
161.7300, 176.3840

■ 26.8199, 28.3032,
30.9074

189.8363,
200.0444, 218.1457

■ 17.5739, 18.5543,
20.2704

231.5507,
243.9772, 266.0279

■ 10.7424, 11.3487,
12.4058

278.9677,
293.9128, 320.4492

■ 5.9599, 6.3019,
6.8948

332.4527,

■ 2.8611, 3.0295,

350.2356, 381.8282

3.3189

392.3711,
413.3299, 450.5833

■ 1.0808, 1.1472,
1.2597

■ 0.0089, 0.0179,
0.0284

■ 72.6982, 76.6530,
83.6369

■ 72.6982, 76.6530,
83.6369

■ 66.0340, 73.2211,
83.2614

■ 80.3092, 80.5773,
84.0599

■ 60.2734, 70.2528,
82.9267

■ 82.6009, 81.7573,
84.2324

■ 55.3793, 67.7313,
82.6325

■ 82.6134, 81.7623,
84.2982

■ 51.3098, 65.6348,
82.3770

■ 82.6260, 81.7673,
84.3642

■ 48.0193, 63.9399,
82.1579

■ 82.6385, 81.7723,
84.4301

■ 45.4579, 62.6209,
81.9731

■ 82.6510, 81.7774,
84.4961

■ 43.5701, 61.6492,
81.8197

■ 82.6635, 81.7824,
84.5621

■ 42.2920, 60.9917,
81.6950

■ 82.6761, 81.7874,
84.6281

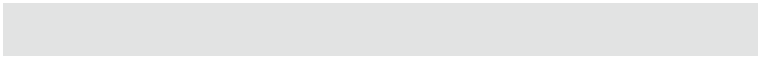
■ 41.5480, 60.6096,
81.5953

■ 82.6886, 81.7924,
84.6942

Harmonies

Analogous

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



72.6889, 76.6530, 83.3867



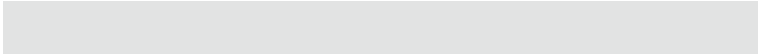
72.6982, 76.6530, 83.6369



72.7498, 76.6530, 83.8406

Triad

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



72.6982, 76.6530, 83.6369



72.9884, 76.6530, 83.7677



72.8827, 76.6530, 82.9831

Complementary

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



72.6982, 76.6530, 83.6369



72.6052, 76.2165, 82.8399

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.



72.9630, 76.6530, 83.0847



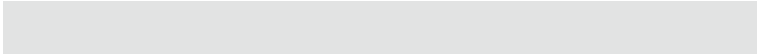
72.6982, 76.6530, 83.6369



73.0241, 76.6530, 83.5375

Square

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



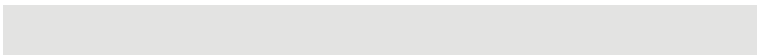
72.6982, 76.6530, 83.6369



72.9174, 76.6530, 83.9162



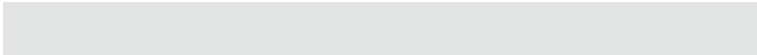
73.0148, 76.6530, 83.2875



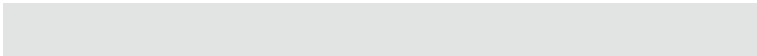
72.7954, 76.6530, 83.0096

Rectangle

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



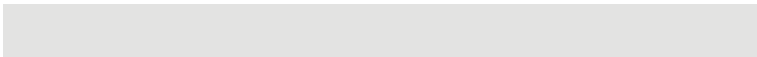
72.6982, 76.6530, 83.6369



72.8014, 76.6530, 83.9225



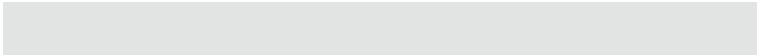
73.0148, 76.6530, 83.2875



72.9114, 76.6530, 83.0034

Sweetspot

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



72.7004, 76.6563, 83.6386

95.0500, 100.0000, 108.9000



72.5679, 76.6039, 82.9137



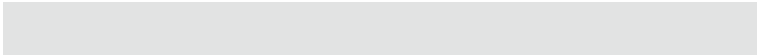
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

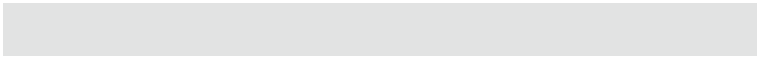
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7004, 76.6563, 83.6386



94.1164, 99.5189, 108.8478



72.5683, 76.3914, 83.5973



16.0700, 16.9873, 18.5749



24.0347, 35.2460, 47.5446



1.7769, 2.6049, 3.5177

Inverse Universe

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



72.6052, 76.2165, 82.8399



93.8356, 98.2213, 106.4912



72.7368, 76.4806, 82.8810



16.0249, 16.7790, 18.1967



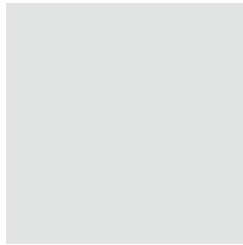
18.4789, 9.5258, 0.8851



1.3664, 0.7043, 0.0698

Previews

White Background



This preview shows how the XYZ color 72.6982, 76.6530, 83.6369 looks on a white background.

Color Contrast Check

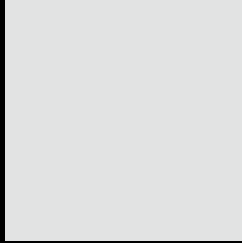
Large Text (above 18pt) WCAG AA × Fail

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 72.6982, 76.6530, 83.6369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

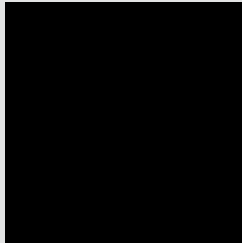
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

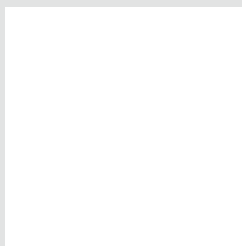
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.6982, 76.6530, 83.6369

Background



This preview shows how black text looks on a background with the XYZ color 72.6982, 76.6530, 83.6369.

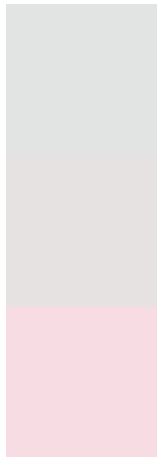


This preview shows how white text looks on a background with the XYZ color 72.6982, 76.6530,

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

72.6982, 76.6530, 83.6369

Protanopia

73.8788, 76.8726, 82.8956

Deuteranopia

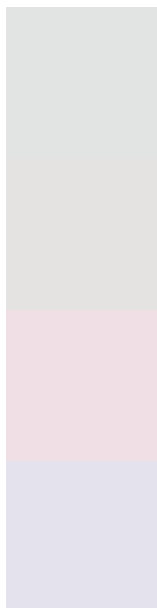
78.3082, 76.7443, 84.0846



Tritanopia

74.9471, 76.7552, 94.8695

Trichromacy



Original Color

72.6982, 76.6530, 83.6369

Protanomaly

73.2369, 76.5417, 82.8655

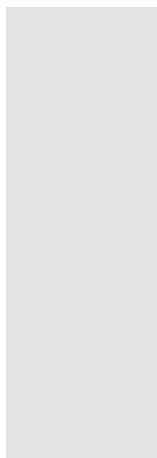
Deuteranomaly

76.3264, 76.9021, 84.2195

Tritanomaly

74.1610, 76.8380, 91.0433

Monochromacy



Original Color

72.6982, 76.6530, 83.6369

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

73.0128, 76.8151, 83.6517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6982, 76.6530, 83.6369 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, 227, 227) looks like.

```
.text, #text, p{  
    color:rgb(226, 227, 227)  
}
```

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, 227, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 227, 227) }
```

Border

The CSS property to change the border of an element to XYZ 72.6982, 76.6530, 83.6369 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, 227, 227) }
```

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

```
.border{ border-color:rgb(226, 227, 227) }
```

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

Here you see how a box with a 4 pixel rgb(226, 227, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 227, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 227, 227);  
box-shadow:4px 4px 4px 4px rgb(226, 227,  
227) }
```


Background

The CSS property to change the background color of an element to XYZ 72.6982, 76.6530, 83.6369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 227, 227) }
```

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

```
.background{ background-color: rgb(226,  
227, 227) }
```

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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