

Converting Colors

XYZ(72.4007, 76.8721, 85.2670)

Have a look what the booklet for
XYZ(72.4007, 76.8721, 85.2670)
contains.

XYZ(72.3177, 76.8319, 85.1472)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.3177, 76.8319,
85.1472)**

Conversions

Conversions Part 1

Format	Color
Hex	DFE4E5
RGB	223, 228, 229
RGB Percent	87%, 89%, 90%
CMY	0.1255, 0.1059, 0.1020
CMYK	0.03, 0.00, 0.00, 0.10
HSL	190°, 10%, 89%
HSV	190°, 3%, 90%
XYZ	72.3177, 76.8319, 85.1472
YIQ	226.6190, -3.3010, -0.7490

Conversions

Conversions Part 2

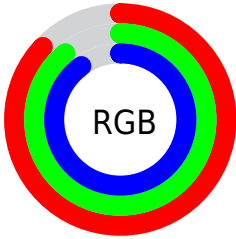
Format	Color
RYP	223, 226, 229
Decimal	14673125
CIE Lab	90.24, -1.49, -1.08
CIE LCh	90, 1.838, 216.039
Yxy	76.8319, 0.3087, 0.3279
Android (android.graphics.Color)	4292863205 (0xFFDFE4E5)
YUV	226.6190, 1.1738, -3.1739
Hunter-Lab	87.6538, -6.1249, 3.7632

Details

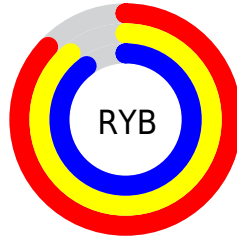
The XYZ color **72.3177, 76.8319, 85.1472** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.2882, 75.2963, 80.5369**, and the grayscale version is **72.7323, 76.5200, 83.3303**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7320, 41.2680, 45.9685** is the 20% darker color. If you saturate the color by 10%, you get **64.6998, 71.3709, 84.4958**, and if you desaturate by 10%, it is **80.9173, 82.8375, 85.8543**.

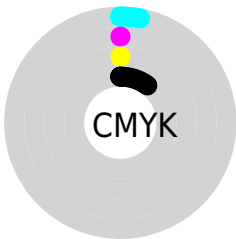
Distribution



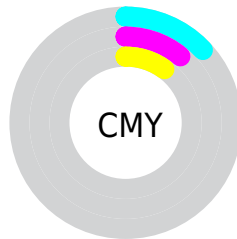
- Red (87%)
- Green (89%)
- Blue (90%)



- Red (87%)
- Yellow (89%)
- Blue (90%)



- Cyan (3%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)



- Cyan (13%)
- Magenta (11%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3177, 76.8319, 85.1472 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 72.3177, 76.8319, 85.1472 by changing the saturation by 10% instead.

■ 72.3177, 76.8319,
85.1472

■ 72.3177, 76.8319,
85.1472

457.7871,
484.1907, 532.2723

■ 53.7046, 57.1149,
63.4122

121.5165,
128.9022, 142.4548

■ 38.5953, 41.0975,
45.7316

152.8329,
162.0242, 178.8645

■ 26.6243, 28.3953,
31.6869

189.1145,
200.3835, 221.0027

■ 17.4264, 18.6238,
20.8596

230.7265,
244.3642, 269.2882

■ 10.6362, 11.3988,
12.8312

278.0345,
294.3510, 324.1393

■ 5.8882, 6.3357,
7.1831

331.4037,

■ 2.8172, 3.0503,

350.7280, 385.9747

3.4967

391.1994,
413.8798, 455.2128

■ 1.0579, 1.1580,
1.3535

■ 0.0000, 0.0270,
0.1050

■ 72.3177, 76.8319,
85.1472

■ 72.3177, 76.8319,
85.1472

■ 64.6998, 71.3709,
84.4958

■ 80.9173, 82.8375,
85.8543

■ 58.0187, 66.4246,
83.8932

■ 85.2665, 86.6841,
86.3676

■ 52.2361, 61.9752,
83.3392

■ 86.3707, 88.8925,
86.7356

■ 47.3080, 57.9998,
82.8316

■ 87.4983, 91.1477,
87.1115

■ 43.1870, 54.4738,
82.3682

■ 88.6495, 93.4501,
87.4952

■ 39.8208, 51.3700,
81.9465

■ 89.8244, 95.8000,
87.8869

■ 37.1508, 48.6579,
81.5637

■ 91.0232, 98.1975,
88.2865

■ 35.1095, 46.3026,
81.2167

■ 91.1431, 98.4372,
88.3264

■ 33.6156, 44.2618,
80.9015

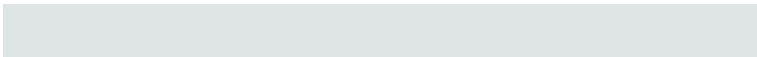
Harmonies

Analogous

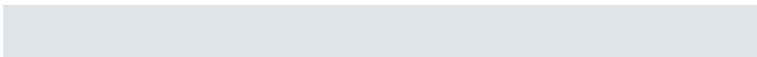
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.1555, 76.8319, 83.9221



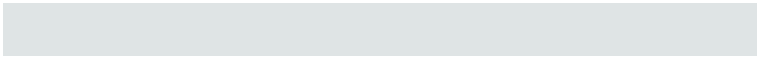
72.3177, 76.8319, 85.1472



72.6699, 76.8319, 85.9793

Triad

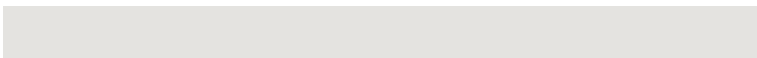
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.3177, 76.8319, 85.1472



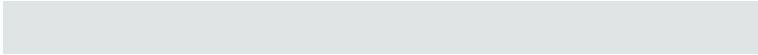
73.8329, 76.8319, 84.6838



72.9340, 76.8319, 81.1775

Complementary

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



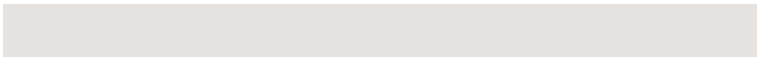
72.3177, 76.8319, 85.1472



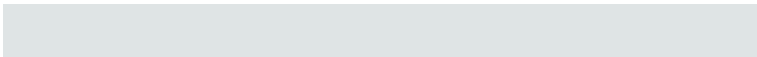
72.2882, 75.2963, 80.5369

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.



73.3841, 76.8319, 81.3767



72.3177, 76.8319, 85.1472



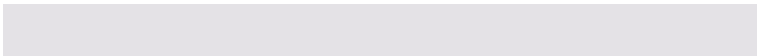
73.9043, 76.8319, 83.3922

Square

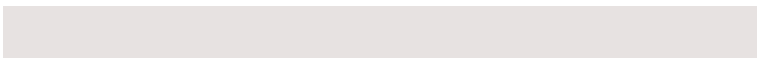
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.3177, 76.8319, 85.1472



73.5450, 76.8319, 85.7098



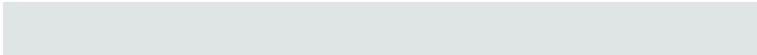
73.7397, 76.8319, 82.1840



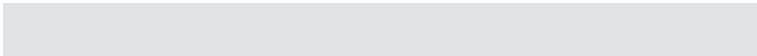
72.5103, 76.8319, 81.6370

Rectangle

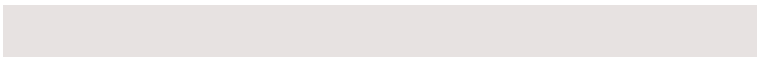
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



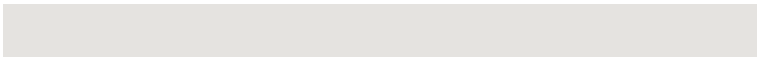
72.3177, 76.8319, 85.1472



72.9657, 76.8319, 86.1943



73.7397, 76.8319, 82.1840



73.0872, 76.8319, 81.1697

Sweetspot

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



72.3199, 76.8352, 85.1489



93.9831, 99.2497, 108.8114



71.8929, 77.1042, 81.5446



20.1275, 21.2514, 23.2911



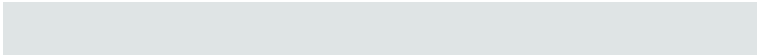
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

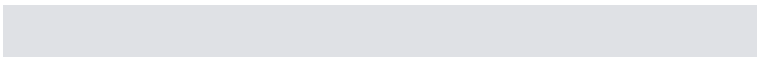
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.3199, 76.8352, 85.1489



91.8874, 97.7700, 108.6363



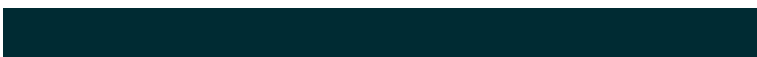
71.5277, 75.2509, 84.8848



15.5464, 16.5892, 18.5270



18.8114, 24.6849, 46.1564



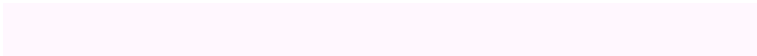
1.4445, 1.9329, 3.4289

Inverse Universe

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



72.7061, 75.0363, 84.0540



92.4540, 95.1343, 107.0290



73.0753, 76.8704, 80.7993



15.6672, 16.0290, 18.1841



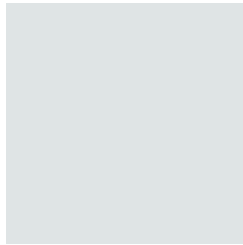
23.8886, 11.6897, 29.3722



1.7927, 0.8748, 2.3150

Previews

White Background



This preview shows how the XYZ color 72.3177, 76.8319, 85.1472 looks on a white background.

Color Contrast Check

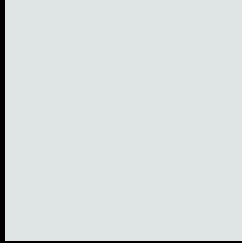
Large Text (above 18pt) WCAG AA × Fail

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 72.3177, 76.8319, 85.1472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

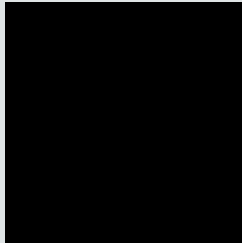
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

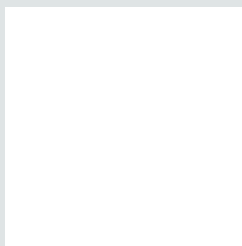
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.3177, 76.8319, 85.1472

Background



This preview shows how black text looks on a background with the XYZ color 72.3177, 76.8319, 85.1472.



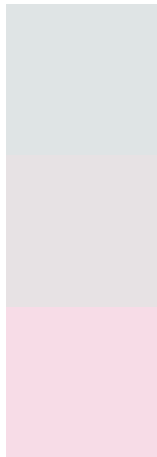
This preview shows how white text looks on a background with the XYZ color 72.3177, 76.8319,

85.1472.

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

72.3177, 76.8319, 85.1472

Protanopia

74.1549, 76.9831, 84.3496

Deuteranopia

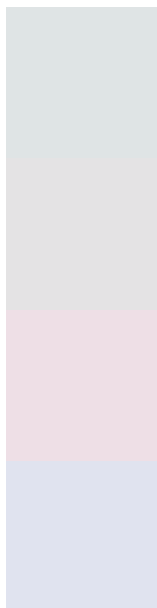
78.3748, 76.7301, 86.2809



Tritanopia

74.5768, 76.9319, 96.5067

Trichromacy



Original Color

72.3177, 76.8319, 85.1472

Protanomaly

73.4676, 77.0336, 84.3956

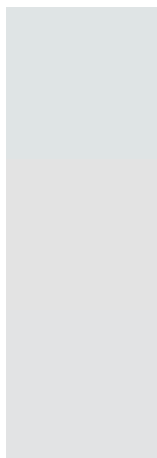
Deuteranomaly

75.9305, 76.6657, 85.6589

Tritanomaly

73.7895, 77.0175, 92.6381

Monochromacy



Original Color

72.3177, 76.8319, 85.1472

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.8367, 76.7084, 84.3661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3177, 76.8319, 85.1472 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(223, 228, 229) looks like.

```
.text, #text, p{  
    color:rgb(223, 228, 229)  
}
```

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(223, 228, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 228, 229) }
```

Border

The CSS property to change the border of an element to XYZ 72.3177, 76.8319, 85.1472 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(223, 228, 229) }
```


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

```
.border{ border-color:rgb(223, 228, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 228, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 228, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 228, 229);  
box-shadow:4px 4px 4px 4px rgb(223, 228,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3177, 76.8319, 85.1472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 228, 229) }
```

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

```
.background{ background-color: rgb(223,  
228, 229) }
```

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