

Converting Colors

XYZ(72.5659, 77.7329, 85.8258)

Have a look what the booklet for
XYZ(72.5659, 77.7329, 85.8258)
contains.

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Color

**XYZ(72.7039, 77.8364,
86.0549)**

Conversions

Conversions Part 1

Format	Color
Hex	DEE6E6
RGB	222, 230, 230
RGB Percent	87%, 90%, 90%
CMY	0.1294, 0.0980, 0.0980
CMYK	0.03, 0.00, 0.00, 0.10
HSL	180°, 14%, 89%
HSV	180°, 3%, 90%
XYZ	72.7039, 77.8364, 86.0549
YIQ	227.6080, -4.7680, -1.6960

Conversions

Conversions Part 2

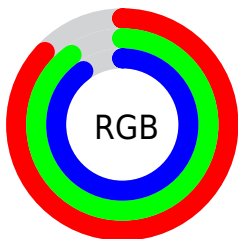
Format	Color
R _Y B	222, 226, 230
Decimal	14608102
CIE Lab	90.71, -2.66, -0.94
CIE LCh	91, 2.823, 199.428
Yxy	77.8364, 0.3073, 0.3290
Android (android.graphics.Color)	4292798182 (0xFFDEE6E6)
YUV	227.6080, 1.1793, -4.9182
Hunter-Lab	88.2249, -7.2964, 3.9258

Details

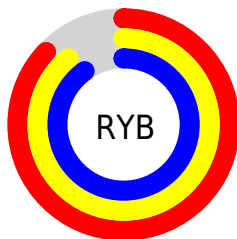
The XYZ color **72.7039, 77.8364, 86.0549** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.9421, 74.3414, 79.6685**, and the grayscale version is **73.4525, 77.2778, 84.1555**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.0042, 41.9706, 46.6028** is the 20% darker color. If you saturate the color by 10%, you get **66.1334, 74.4515, 85.7409**, and if you desaturate by 10%, it is **80.2399, 81.7233, 86.4172**.

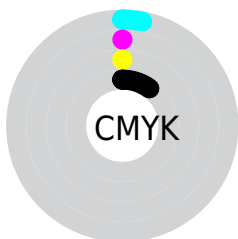
Distribution



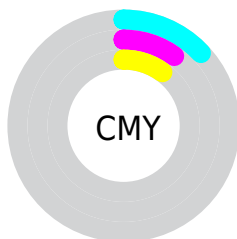
- Red (87%)
- Green (90%)
- Blue (90%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7039, 77.8364, 86.0549 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 72.7039, 77.8364, 86.0549 by changing the saturation by 10% instead.

■ 72.7039, 77.8364,
86.0549

■ 72.7039, 77.8364,
86.0549

459.1076,
487.6110, 535.3476

■ 54.0214, 57.9396,
64.1582

122.0622,
130.3195, 143.7333

■ 38.8495, 41.7601,
46.3318

153.4686,
163.6745, 180.3521

■ 26.8229, 28.9135,
32.1572

189.8471,
202.2845, 222.7154

■ 17.5761, 19.0154,
21.2158

231.5630,
246.5337, 271.2417

■ 10.7439, 11.6814,
13.0890

278.9817,
296.8065, 326.3495

■ 5.9609, 6.5271,
7.3584

332.4684,

■ 2.8618, 3.1682,

353.4874, 388.4574

3.6054

392.3886,
416.9608, 457.9839

■ 1.0811, 1.2202,
1.4115

■ 0.0092, 0.0781,
0.1507

■ 72.7039, 77.8364,
86.0549

■ 72.7039, 77.8364,
86.0549

■ 66.1334, 74.4515,
85.7409

■ 80.2399, 81.7233,
86.4172

■ 60.4830, 71.5388,
85.4685


■ 83.8246, 83.5711,
86.5931


■ 55.7137, 69.0803,
85.2372


■ 83.8261, 83.5717,
86.6012


■ 51.7811, 67.0532,
85.0451


■ 83.8276, 83.5724,
86.6093


 48.6370, 65.4325,
84.8899


 83.8292, 83.5730,
86.6175


 46.2282, 64.1909,
84.7691


 83.8307, 83.5736,
86.6256


 44.4950, 63.2976,
84.6799

 83.8323, 83.5742,
86.6337

 43.3683, 62.7170,
84.6191

 83.8338, 83.5748,
86.6419

 42.7645, 62.4059,
84.5828

 83.8354, 83.5754,
86.6500

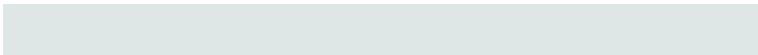
Harmonies

Analogous

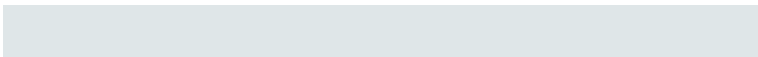
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.6501, 77.8364, 84.0368



72.7039, 77.8364, 86.0549



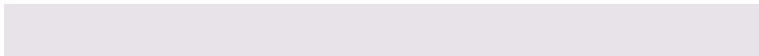
73.0987, 77.8364, 87.7487

Triad

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



72.7039, 77.8364, 86.0549



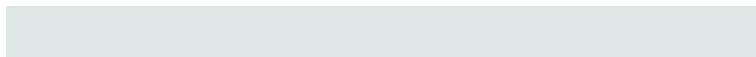
75.0207, 77.8364, 87.3135



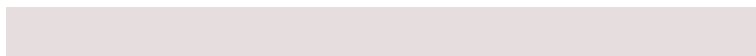
74.2314, 77.8364, 80.9730

Complementary

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



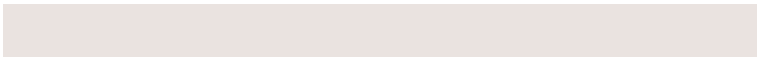
72.7039, 77.8364, 86.0549



71.9421, 74.3414, 79.6685

Split Complementary

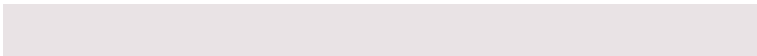
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.8707, 77.8364, 81.8216



72.7039, 77.8364, 86.0549



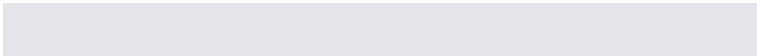
75.3284, 77.8364, 85.4684

Square

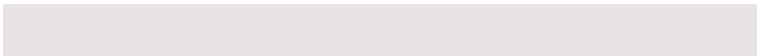
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.7039, 77.8364, 86.0549



74.4352, 77.8364, 88.4833



75.2733, 77.8364, 83.4596



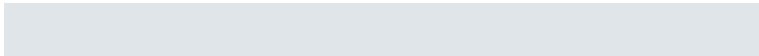
73.5290, 77.8364, 81.1244

Rectangle

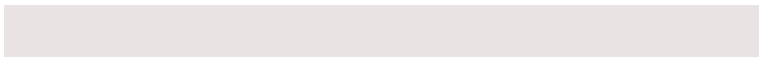
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



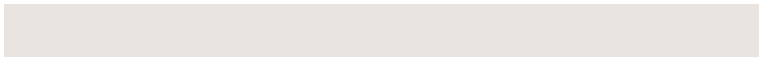
72.7039, 77.8364, 86.0549



73.5035, 77.8364, 88.4559



75.2733, 77.8364, 83.4596



74.4609, 77.8364, 81.1502

Sweetspot

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



72.7061, 77.8397, 86.0566



94.1179, 99.5195, 108.8554



71.6489, 77.4215, 80.2758



20.1549, 21.3063, 23.3000



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

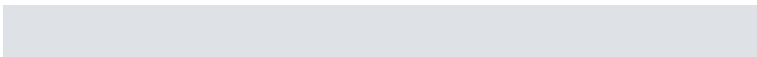
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7061, 77.8397, 86.0566



91.3957, 98.1162, 108.7249



71.6419, 75.7105, 85.7045



15.4905, 16.6885, 18.5483



24.0977, 35.2712, 47.8760



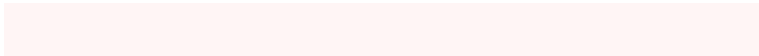
1.7808, 2.6065, 3.5384

Inverse Universe

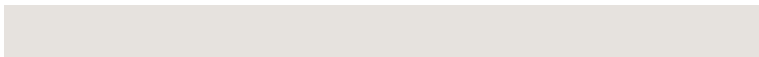
The Inverse Universe completely reimagines the original color for something new.



71.9421, 74.3414, 79.6685



90.2836, 93.0245, 99.4272



72.9809, 76.4199, 80.0123



15.2685, 15.6723, 16.6926



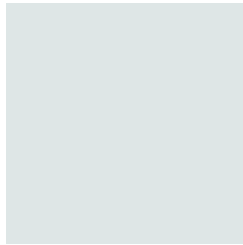
18.4755, 9.5244, 0.8671



1.3654, 0.7039, 0.0646

Previews

White Background



This preview shows how the XYZ color 72.7039, 77.8364, 86.0549 looks on a white background.

Color Contrast Check

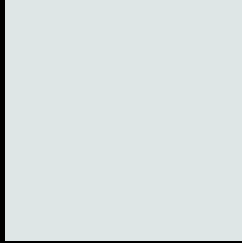
Large Text (above 18pt) WCAG AA × Fail

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 72.7039, 77.8364, 86.0549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

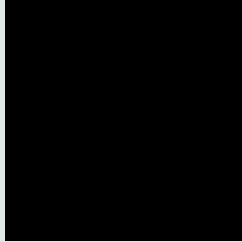
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

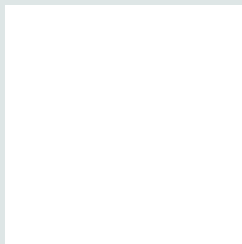
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.7039, 77.8364, 86.0549

Background



This preview shows how black text looks on a background with the XYZ color 72.7039, 77.8364, 86.0549.



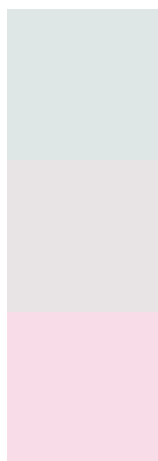
This preview shows how white text looks on a background with the XYZ color 72.7039, 77.8364,

86.0549.

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

72.7039, 77.8364, 86.0549

Protanopia

74.7514, 77.6954, 84.4557

Deuteranopia

79.1333, 77.4956, 87.1313



Tritanopia

75.4293, 78.1482, 98.2973

Trichromacy



Original Color

72.7039, 77.8364, 86.0549

Protanomaly

73.8812, 77.6379, 85.2204

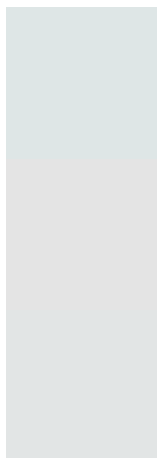
Deuteranomaly

76.6761, 77.4316, 86.5058

Tritanomaly

74.4880, 78.1772, 93.6018

Monochromacy



Original Color

72.7039, 77.8364, 86.0549

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.5262, 77.8645, 85.2828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7039, 77.8364, 86.0549 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(222, 230, 230) looks like.

```
.text, #text, p{  
    color:rgb(222, 230, 230)  
}
```

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(222, 230, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 230, 230) }
```

Border

The CSS property to change the border of an element to XYZ 72.7039, 77.8364, 86.0549 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(222, 230, 230) }
```


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

```
.border{ border-color:rgb(222, 230, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 230, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 230, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 230, 230);  
box-shadow:4px 4px 4px 4px rgb(222, 230,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7039, 77.8364, 86.0549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 230, 230) }
```

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

```
.background{ background-color: rgb(222,  
230, 230) }
```

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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