

Converting Colors

XYZ(77.4678, 80.3956, 86.4782)

Have a look what the booklet for
XYZ(77.4678, 80.3956, 86.4782)
contains.

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Color

**XYZ(77.5048, 80.3113,
86.2796)**

Conversions

Conversions Part 1

Format	Color
Hex	EDE6E6
RGB	237, 230, 230
RGB Percent	93%, 90%, 90%
CMY	0.0706, 0.0980, 0.0980
CMYK	0.00, 0.03, 0.03, 0.07
HSL	0°, 16%, 92%
HSV	0°, 3%, 93%
XYZ	77.5048, 80.3113, 86.2796
YIQ	232.0930, 4.1720, 1.4840

Conversions

Conversions Part 2

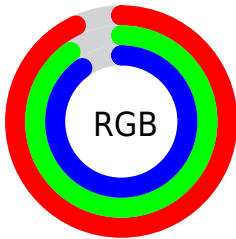
Format	Color
R _Y B	237, 230, 230
Decimal	15591142
CIE Lab	91.82, 2.37, 0.83
CIE LCh	92, 2.506, 19.333
Yxy	80.3113, 0.3175, 0.3290
Android (android.graphics.Color)	4293781222 (0xFFE6E6E6)
YUV	232.0930, -1.0318, 4.3034
Hunter-Lab	89.6166, -2.4535, 5.6493

Details

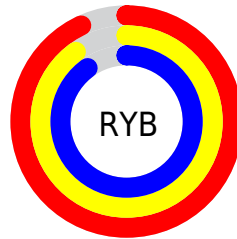
The XYZ color **77.5048, 80.3113, 86.2796** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.2034, 83.5047, 92.1182**, and the grayscale version is **76.7786, 80.7770, 87.9662**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1239, 43.5788, 46.7488** is the 20% darker color. If you saturate the color by 10%, you get **68.2509, 66.7720, 67.8758**, and if you desaturate by 10%, it is **88.1114, 95.8299, 107.3688**.

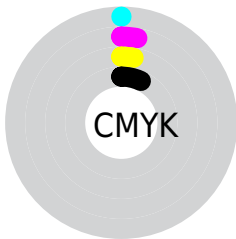
Distribution



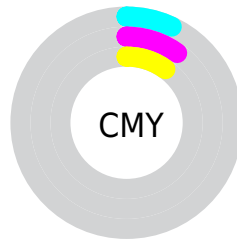
- Red (93%)
- Green (90%)
- Blue (90%)



- Red (93%)
- Yellow (90%)
- Blue (90%)



- Cyan (0%)
- Magenta (3%)
- Yellow (3%)
- Black (7%)



- Cyan (7%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5048, 80.3113, 86.2796 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 77.5048, 80.3113, 86.2796 by changing the saturation by 10% instead.

77.5048, 80.3113,
86.2796

77.5048, 80.3113,
86.2796

475.3490,
495.9813, 536.1073

57.9686, 59.9746,
64.3430

128.8209,
133.8033, 144.0496

42.0266, 43.3981,
46.4806

161.3315,
167.7274, 180.7201

29.3133, 30.1976,
32.2738

198.8977,
206.9493, 223.1389

19.4634, 19.9886,
21.3042

241.8847,
251.8536, 271.7246

12.1116, 12.3868,
13.1531

290.6580,
302.8245, 326.8958

6.8925, 7.0077,
7.4021

345.5830,

3.4407, 3.4669,

360.2465, 389.0709

3.6326

407.0248,
424.5040, 458.6686

■ 1.3909, 1.3801,
1.4260

■ 0.2497, 0.2020,
0.1619

■ 77.5048, 80.3113,
86.2796

■ 77.5048, 80.3113,
86.2796

■ 68.2509, 66.7720,
67.8758

■ 88.1114, 95.8299,
107.3688

■ 60.2891, 55.1225,
52.0446

■ 88.7355, 96.7448,
108.6045

■ 53.5637, 45.2821,
38.6731

■ 48.0130, 37.1600,
27.6380

■ 43.5695, 30.6577,
18.8051

■ 40.1591, 25.6667,
12.0269

■ 37.6984, 22.0653,
7.1376

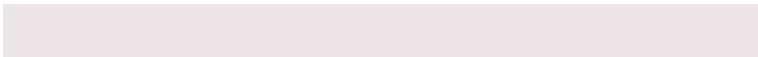
■ 36.0916, 19.7130,
3.9461

■ 35.2221, 18.4398,
2.2209

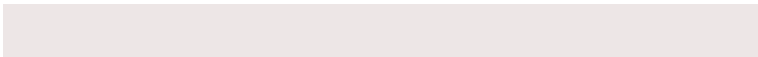
Harmonies

Analogous

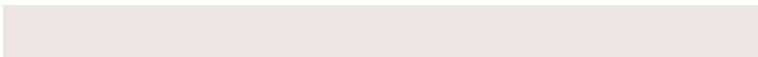
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5536, 80.3113, 88.1017



77.5048, 80.3113, 86.2796



77.1411, 80.3113, 84.7898

Triad

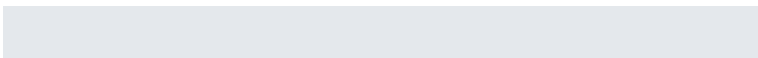
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.5048, 80.3113, 86.2796



75.4005, 80.3113, 85.1606



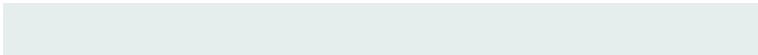
76.1051, 80.3113, 90.9675

Complementary

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



77.5048, 80.3113, 86.2796



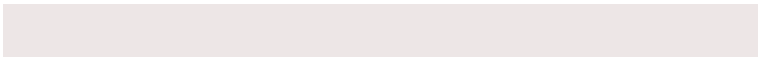
78.2034, 83.5047, 92.1182

Split Complementary

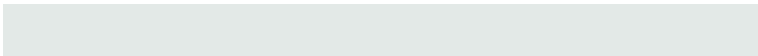
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.5315, 80.3113, 90.1558



77.5048, 80.3113, 86.2796



75.1262, 80.3113, 86.7923

Square

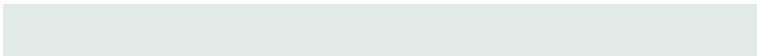
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



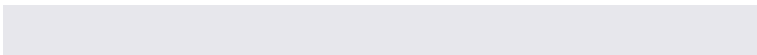
77.5048, 80.3113, 86.2796



75.9253, 80.3113, 84.1501



75.1740, 80.3113, 88.6216



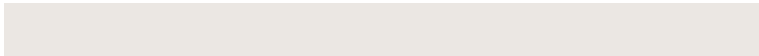
76.7431, 80.3113, 90.8256

Rectangle

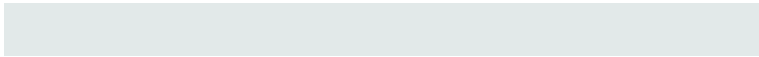
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



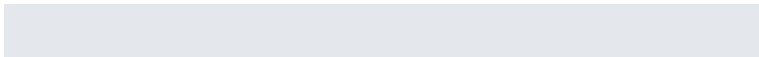
77.5048, 80.3113, 86.2796



76.7702, 80.3113, 84.1775



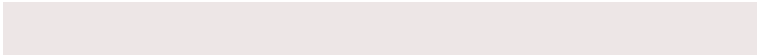
75.1740, 80.3113, 88.6216



75.8984, 80.3113, 90.7967

Sweetspot

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



77.5071, 80.3148, 86.2813



93.8345, 98.2215, 106.4828



78.5091, 80.7138, 91.5633



20.0972, 21.0422, 22.8172



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

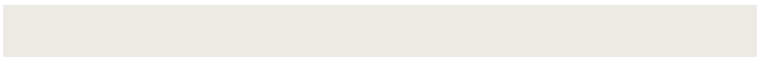
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5071, 80.3148, 86.2813



90.2846, 93.0277, 99.4238



78.4898, 82.2802, 86.6089



16.0021, 16.4248, 17.4917



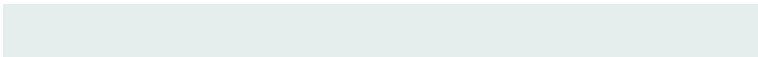
19.0689, 9.8320, 0.8927



1.4976, 0.7725, 0.0702

Inverse Universe

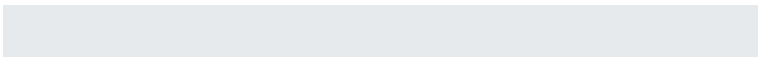
The Inverse Universe completely reimagines the original color for something new.



78.2034, 83.5047, 92.1182



91.3946, 98.1128, 108.7284



77.2010, 81.5000, 91.7840



16.2349, 17.4910, 19.4427



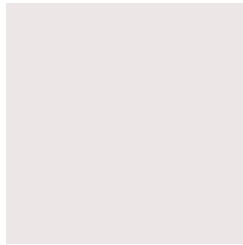
24.8588, 36.3646, 49.4518



1.9523, 2.8560, 3.8832

Previews

White Background



This preview shows how the XYZ color 77.5048, 80.3113, 86.2796 looks on a white background.

Color Contrast Check

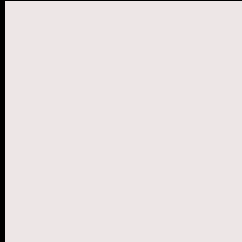
Large Text (above 18pt) WCAG AA × Fail

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 77.5048, 80.3113, 86.2796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

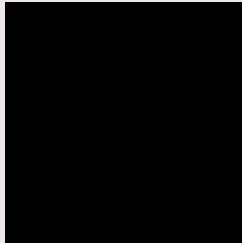
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

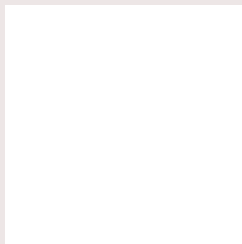
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.5048, 80.3113, 86.2796

Background



This preview shows how black text looks on a background with the XYZ color 77.5048, 80.3113, 86.2796.



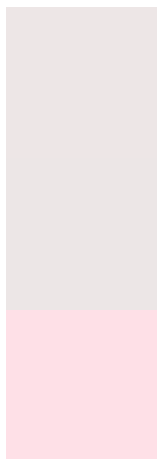
This preview shows how white text looks on a background with the XYZ color 77.5048, 80.3113,

86.2796.

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

77.5048, 80.3113, 86.2796

Protanopia

77.1718, 80.1397, 86.2640

Deuteranopia

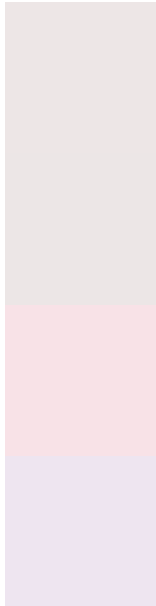
81.9525, 80.1517, 86.7528



Tritanopia

79.9746, 80.4913, 98.5100

Trichromacy



Original Color

77.5048, 80.3113, 86.2796

Protanomaly

77.1718, 80.1397, 86.2640

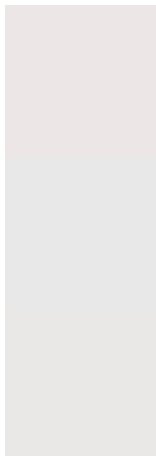
Deuteranomaly

80.3316, 80.1187, 86.8318

Tritanomaly

79.0074, 80.5070, 93.8134

Monochromacy



Original Color

77.5048, 80.3113, 86.2796

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.9314, 80.4138, 87.0680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5048, 80.3113, 86.2796 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(237, 230, 230) looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 230, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 230, 230) }
```

Border

The CSS property to change the border of an element to XYZ 77.5048, 80.3113, 86.2796 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(237, 230, 230) }
```


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

```
.border{ border-color:rgb(237, 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(237, 230, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 230, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 230, 230);  
box-shadow:4px 4px 4px 4px rgb(237, 230,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5048, 80.3113, 86.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 230, 230) }
```

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

```
.background{ background-color: rgb(237,  
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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