

Converting Colors

XYZ(77.0988, 82.5527, 89.6552)

Have a look what the booklet for
XYZ(77.0988, 82.5527, 89.6552)
contains.

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Color

**XYZ(77.1598, 82.5894,
89.7165)**

Conversions

Conversions Part 1

Format	Color
Hex	E5ECEA
RGB	229, 236, 234
RGB Percent	90%, 93%, 92%
CMY	0.1020, 0.0745, 0.0823
CMYK	0.03, 0.00, 0.01, 0.07
HSL	163°, 16%, 91%
HSV	163°, 3%, 93%
XYZ	77.1598, 82.5894, 89.7165
YIQ	233.6790, -3.5300, -2.1060

Conversions

Conversions Part 2

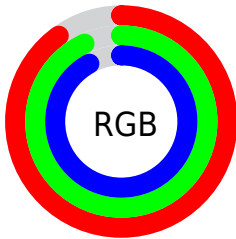
Format	Color
R _{YB}	229, 233, 236
Decimal	15068394
CIE Lab	92.83, -2.68, 0.15
CIE LCh	93, 2.686, 176.891
Yxy	82.5894, 0.3093, 0.3311
Android (android.graphics.Color)	4293258474 (0xFFE5ECEA)
YUV	233.6790, 0.1583, -4.1035
Hunter-Lab	90.8787, -7.4838, 5.0833

Details

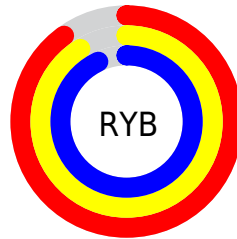
The XYZ color **77.1598, 82.5894, 89.7165** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.0382, 79.6431, 86.9176**, and the grayscale version is **77.9668, 82.0271, 89.3275**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8127, 44.8555, 48.5737** is the 20% darker color. If you saturate the color by 10%, you get **69.1843, 78.5901, 84.3768**, and if you desaturate by 10%, it is **86.2007, 87.1383, 95.3024**.

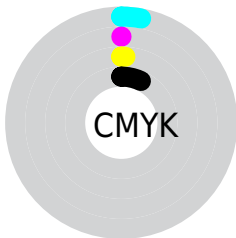
Distribution



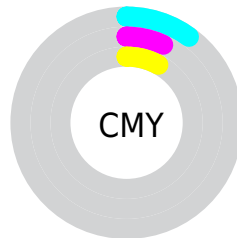
- Red (90%)
- Green (93%)
- Blue (92%)



- Red (90%)
- Yellow (91%)
- Blue (93%)



- Cyan (3%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)



- Cyan (10%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1598, 82.5894, 89.7165 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 77.1598, 82.5894, 89.7165 by changing the saturation by 10% instead.

■ 77.1598, 82.5894,
89.7165

■ 77.1598, 82.5894,
89.7165

474.1923,
503.6171, 547.6545

■ 57.6844, 61.8515,
67.1731

128.3367,
137.0002, 148.8766

■ 41.7973, 44.9127,
48.7629

160.7689,
171.4419, 186.3305

■ 29.1330, 31.3887,
34.0671

198.2507,
211.2204, 229.5915

■ 19.3262, 20.8950,
22.6674

241.1476,
256.7199, 279.0784

■ 12.0117, 13.0473,
14.1451

289.8248,
308.3249, 335.2096

■ 6.8239, 7.4611,
8.0818

344.6478,

■ 3.3975, 3.7521,

366.4199, 398.4036

4.0588

405.9818,
431.3891, 469.0791

■ 1.3673, 1.5359,
1.6577

■ 0.2328, 0.3138,
0.3315

■ 77.1598, 82.5894,
89.7165

■ 77.1598, 82.5894,
89.7165

■ 69.1843, 78.5901,
84.3768

■ 86.2007, 87.1383,
95.3024

■ 62.2256, 75.1086,
79.2740

■ 88.1037, 88.0007,
100.7477

■ 56.2421, 72.1255,
74.4054

■ 89.1677, 88.4263,
106.3508

■ 51.1860, 69.6165,
69.7669

■ 89.2870, 88.4741,
106.9790

■ 47.0060, 67.5549,
65.3536

■ 43.6451, 65.9117,
61.1607

■ 41.0398, 64.6539,
57.1829

■ 39.1165, 63.7438,
53.4144

■ 37.7865, 63.1357,
49.8485

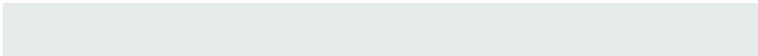
Harmonies

Analogous

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



77.3745, 82.5894, 87.8325



77.1598, 82.5894, 89.7165



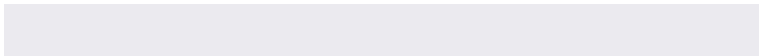
77.3021, 82.5894, 91.6841

Triad

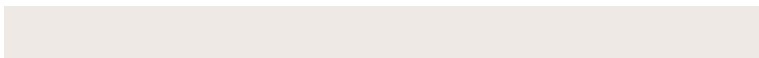
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.1598, 82.5894, 89.7165



79.1103, 82.5894, 93.4147



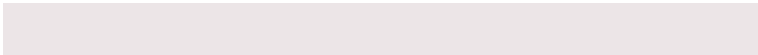
79.2377, 82.5894, 86.7292

Complementary

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



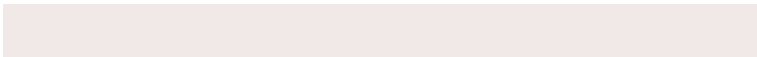
77.1598, 82.5894, 89.7165



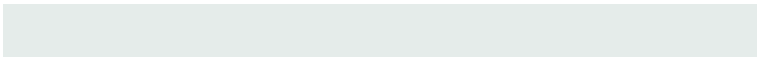
77.0382, 79.6431, 86.9176

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.



79.7077, 82.5894, 88.1902



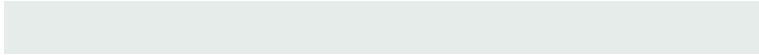
77.1598, 82.5894, 89.7165



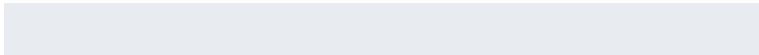
79.6338, 82.5894, 92.0521

Square

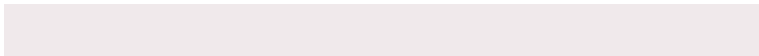
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



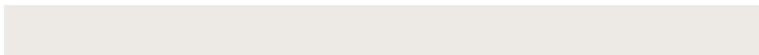
77.1598, 82.5894, 89.7165



78.4256, 82.5894, 93.8379



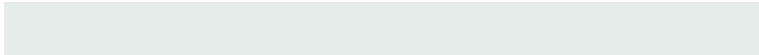
79.8531, 82.5894, 90.1355



78.5719, 82.5894, 86.1240

Rectangle

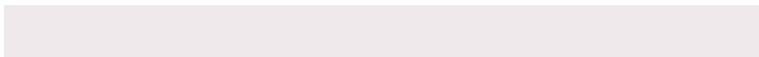
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



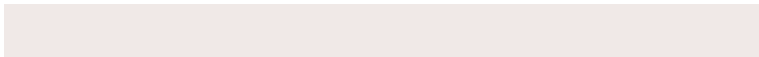
77.1598, 82.5894, 89.7165



77.5807, 82.5894, 92.7751



79.8531, 82.5894, 90.1355



79.4240, 82.5894, 87.1355

Sweetspot

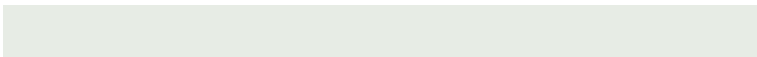
The Sweet Spot groups the original color and five complimentary colors.



77.1621, 82.5929, 89.7183



94.0008, 99.4727, 108.2389



77.1283, 82.6573, 86.0192



20.1311, 21.2968, 23.1746



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

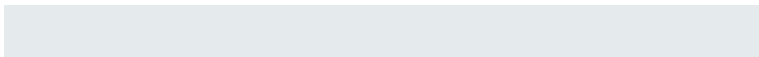
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1621, 82.5929, 89.7183



90.9301, 97.9300, 106.2733



77.0500, 81.9053, 91.1094



16.1372, 17.4526, 18.9261



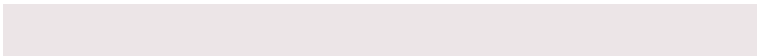
20.5133, 34.6598, 26.4657



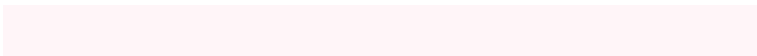
1.6519, 2.7381, 2.2946

Inverse Universe

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



77.0382, 79.6431, 86.9176



90.7315, 93.2037, 101.7859



77.1459, 80.3089, 85.5650



16.0955, 16.4616, 17.9852



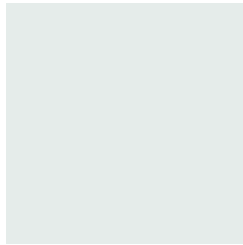
19.6831, 10.0759, 4.1324



1.5858, 0.8073, 0.5362

Previews

White Background



This preview shows how the XYZ color 77.1598, 82.5894, 89.7165 looks on a white background.

Color Contrast Check

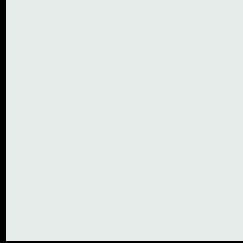
Large Text (above 18pt) WCAG AA × Fail

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 77.1598, 82.5894, 89.7165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

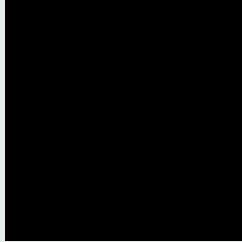
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

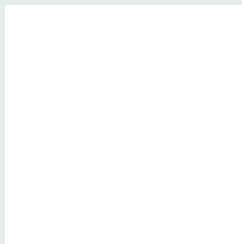
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.1598, 82.5894, 89.7165

Background



This preview shows how black text looks on a background with the XYZ color 77.1598, 82.5894, 89.7165.



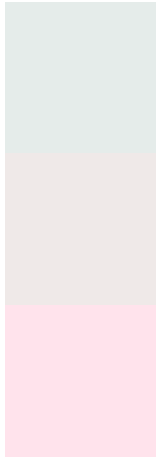
This preview shows how white text looks on a background with the XYZ color 77.1598, 82.5894,

89.7165.

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

77.1598, 82.5894, 89.7165

Protanopia

79.3010, 82.4547, 88.0797

Deuteranopia

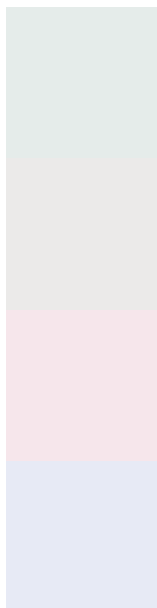
83.8494, 82.2543, 90.8142



Tritanopia

79.9883, 82.4619, 103.7964

Trichromacy



Original Color

77.1598, 82.5894, 89.7165

Protanomaly

78.3917, 82.3910, 88.8622

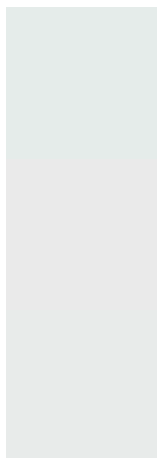
Deuteranomaly

81.2982, 82.1846, 90.1756

Tritanomaly

78.8592, 82.4271, 98.1399

Monochromacy



Original Color

77.1598, 82.5894, 89.7165

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.8383, 82.5130, 89.6660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1598, 82.5894, 89.7165 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(229, 236, 234) looks like.

```
.text, #text, p{  
    color:rgb(229, 236, 234)  
}
```

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(229, 236, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 236, 234) }
```

Border

The CSS property to change the border of an element to XYZ 77.1598, 82.5894, 89.7165 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(229, 236, 234) }
```


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

```
.border{ border-color:rgb(229, 236, 234) }
```

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

Here you see how a box with a 4 pixel rgb(229, 236, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 236, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 236, 234);  
box-shadow:4px 4px 4px 4px rgb(229, 236,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1598, 82.5894, 89.7165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 236, 234) }
```

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

```
.background{ background-color: rgb(229,  
236, 234) }
```

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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