

Converting Colors

XYZ(78.1140, 82.3514, 89.6063)

Have a look what the booklet for
XYZ(78.1140, 82.3514, 89.6063)
contains.

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Color

**XYZ(77.8784, 82.1098,
89.5860)**

Conversions

Conversions Part 1

Format	Color
Hex	E9EAEA
RGB	233, 234, 234
RGB Percent	91%, 92%, 92%
CMY	0.0863, 0.0823, 0.0823
CMYK	0.00, 0.00, 0.00, 0.08
HSL	180°, 2%, 92%
HSV	180°, 0%, 92%
XYZ	77.8784, 82.1098, 89.5860
YIQ	233.7010, -0.5960, -0.2120

Conversions

Conversions Part 2

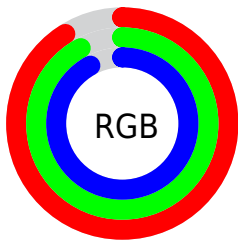
Format	Color
RYB	233, 234, 234
Decimal	15330026
CIELab	92.62, -0.33, -0.13
CIElCh	93, 0.353, 201.136
Yxy	82.1098, 0.3120, 0.3290
Android (android.graphics.Color)	4293520106 (0xFFE9EAEA)
YUV	233.7010, 0.1474, -0.6148
Hunter-Lab	90.6145, -5.1639, 4.8131

Details

The XYZ color **77.8784, 82.1098, 89.5860** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.7817, 81.6557, 88.7566**, and the grayscale version is **77.9819, 82.0431, 89.3449**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0877, 44.4023, 48.4717** is the 20% darker color. If you saturate the color by 10%, you get **70.7275, 78.4272, 89.1834**, and if you desaturate by 10%, it is **85.5293, 86.0547, 90.0154**.

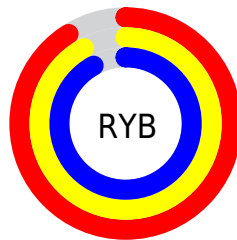
Distribution



Red (91%)

Green (92%)

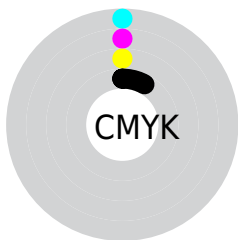
Blue (92%)



Red (91%)

Yellow (92%)

Blue (92%)

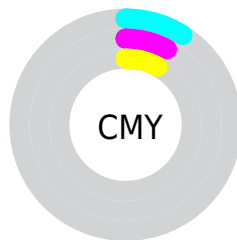


Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (8%)



Cyan (9%)

Magenta (8%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8784, 82.1098, 89.5860 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 77.8784, 82.1098, 89.5860 by changing the saturation by 10% instead.

■ 77.8784, 82.1098,
89.5860

■ 77.8784, 82.1098,
89.5860

476.5999,
502.0149, 547.2185

■ 58.2765, 61.4560,
67.0655

129.3450,
136.3280, 148.6937

■ 42.2751, 44.5933,
48.6760

161.9404,
170.6612, 186.1180

■ 29.5088, 31.1372,
33.9987

199.5977,
210.3230, 229.3473

■ 19.6123, 20.7034,
22.6153

242.6822,
255.6978, 278.8003

■ 12.2202, 12.9073,
14.1071

291.5593,
307.1700, 334.8953

■ 6.9671, 7.3648,
8.0556

346.5944,

■ 3.4877, 3.6913,

365.1240, 398.0510

4.0422

408.1528,
429.9441, 468.6859

■ 1.4166, 1.5024,
1.6485

■ 0.2680, 0.2904,
0.3251

■ 77.8784, 82.1098,
89.5860

■ 77.8784, 82.1098,
89.5860

■ 70.7275, 78.4272,
89.1834

■ 85.5293, 86.0547,
90.0154

■ 64.5477, 75.2430,
88.8247


■ 85.5426, 86.0601,
90.0857


■ 59.2993, 72.5388,
88.5095


■ 85.5560, 86.0654,
90.1560


■ 54.9369, 70.2915,
88.2359


■ 85.5693, 86.0708,
90.2264


 51.4116, 68.4757,
88.0014


 85.5827, 86.0761,
90.2968


 48.6696, 67.0637,
87.8037


 85.5961, 86.0815,
90.3672


 46.6510, 66.0246,
87.6398

 85.6095, 86.0868,
90.4377

 45.2870, 65.3230,
87.5066

 85.6228, 86.0922,
90.5082

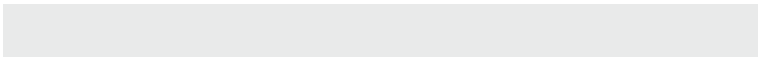
 44.4958, 64.9166,
87.4003

 85.6362, 86.0975,
90.5788

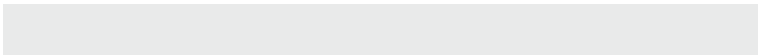
Harmonies

Analogous

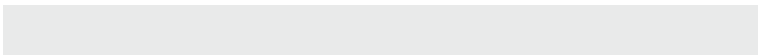
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8686, 82.1098, 89.3258



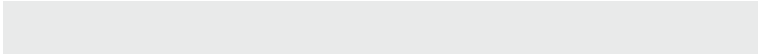
77.8784, 82.1098, 89.5860



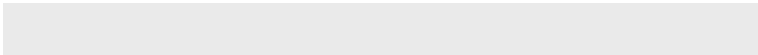
77.9322, 82.1098, 89.7978

Triad

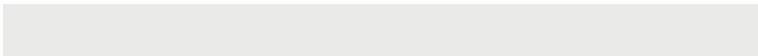
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8784, 82.1098, 89.5860



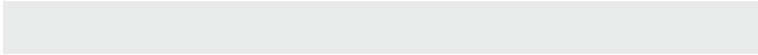
78.1804, 82.1098, 89.7211



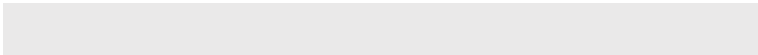
78.0701, 82.1098, 88.9051

Complementary

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



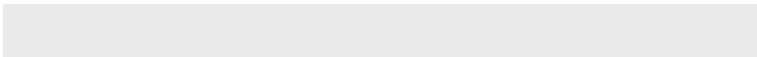
77.8784, 82.1098, 89.5860



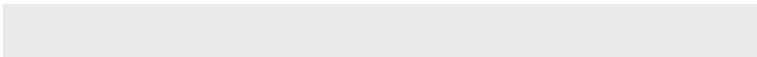
77.7817, 81.6557, 88.7566

Split Complementary

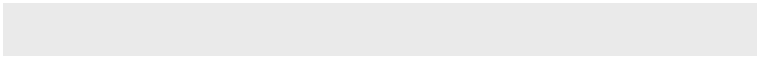
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.1537, 82.1098, 89.0106



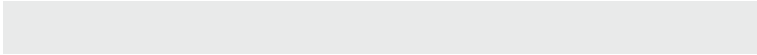
77.8784, 82.1098, 89.5860



78.2174, 82.1098, 89.4815

Square

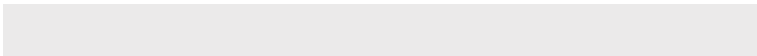
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



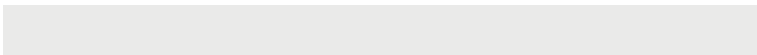
77.8784, 82.1098, 89.5860



78.1066, 82.1098, 89.8759



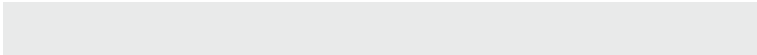
78.2076, 82.1098, 89.2215



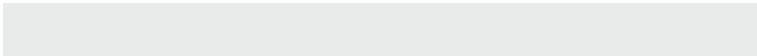
77.9793, 82.1098, 88.9330

Rectangle

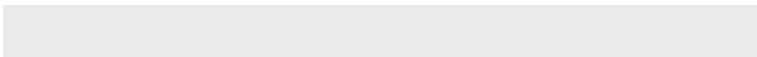
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



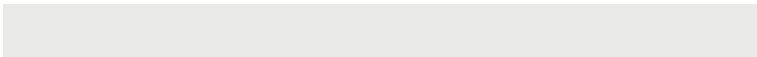
77.8784, 82.1098, 89.5860



77.9859, 82.1098, 89.8828



78.2076, 82.1098, 89.2215



78.1000, 82.1098, 88.9262

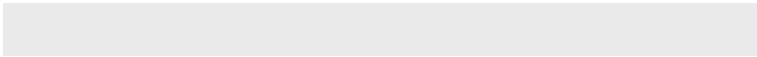
Sweetspot

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



77.8807, 82.1133, 89.5878

95.0500, 100.0000, 108.9000



77.7429, 82.0588, 88.8335



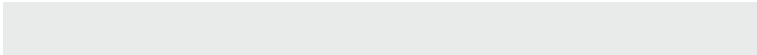
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

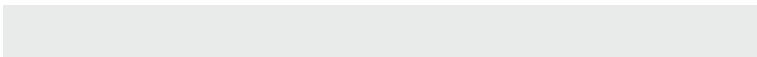
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8807, 82.1133, 89.5878



94.1164, 99.5189, 108.8478



77.7433, 81.8376, 89.5448



16.8439, 17.8056, 19.4699



24.8061, 36.3769, 49.0715



1.9487, 2.8568, 3.8577

Inverse Universe

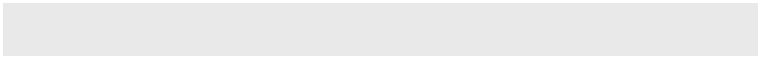
The Inverse Universe completely reimagines the original color for something new.



77.7817, 81.6557, 88.7566



93.8356, 98.2213, 106.4911



77.9187, 81.9305, 88.7995



16.7966, 17.5868, 19.0725



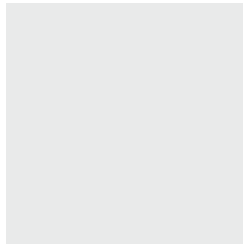
19.0717, 9.8314, 0.9131



1.4984, 0.7723, 0.0762

Previews

White Background



This preview shows how the XYZ color 77.8784, 82.1098, 89.5860 looks on a white background.

Color Contrast Check

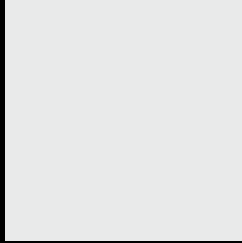
Large Text (above 18pt) WCAG AA × Fail

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 77.8784, 82.1098, 89.5860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

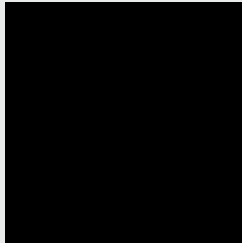
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

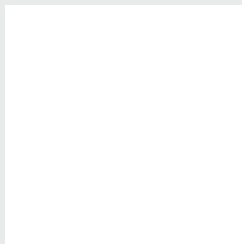
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8784, 82.1098, 89.5860

Background



This preview shows how black text looks on a background with the XYZ color 77.8784, 82.1098, 89.5860.



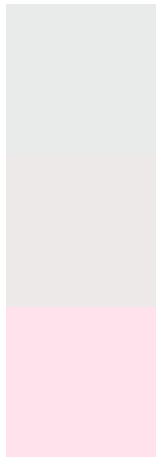
This preview shows how white text looks on a background with the XYZ color 77.8784, 82.1098,

89.5860.

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

77.8784, 82.1098, 89.5860

Protanopia

79.1068, 82.3382, 88.8143

Deuteranopia

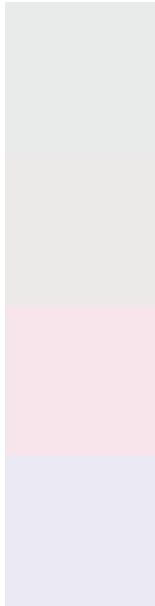
83.5767, 81.7088, 90.7233



Tritanopia

80.3729, 82.2775, 102.0875

Trichromacy



Original Color

77.8784, 82.1098, 89.5860

Protanomaly

78.4390, 81.9939, 88.7830

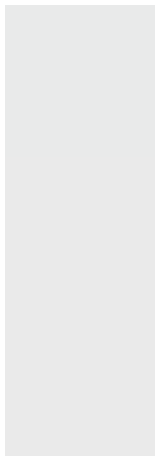
Deuteranomaly

81.3725, 81.8109, 90.0996

Tritanomaly

79.3997, 82.3019, 97.2890

Monochromacy



Original Color

77.8784, 82.1098, 89.5860

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.2058, 82.2786, 89.6014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8784, 82.1098, 89.5860 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(233, 234, 234) looks like.

```
.text, #text, p{  
    color:rgb(233, 234, 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(233, 234, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 234, 234) }
```

Border

The CSS property to change the border of an element to XYZ 77.8784, 82.1098, 89.5860 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(233, 234, 234) }
```

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

```
.border{ border-color:rgb(233, 234, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 234, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 234, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 234, 234);  
box-shadow:4px 4px 4px 4px rgb(233, 234,  
234) }
```


Background

The CSS property to change the background color of an element to XYZ 77.8784, 82.1098, 89.5860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 234, 234) }
```

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

```
.background{ background-color: rgb(233,  
234, 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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