

Converting Colors

XYZ(77.7531, 82.2960, 89.5596)

Have a look what the booklet for
XYZ(77.7531, 82.2960, 89.5596)
contains.

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Color

**XYZ(77.8383, 82.5130,
89.6660)**

Conversions

Conversions Part 1

Format	Color
Hex	E8EBEA
RGB	232, 235, 234
RGB Percent	91%, 92%, 92%
CMY	0.0902, 0.0784, 0.0823
CMYK	0.01, 0.00, 0.00, 0.08
HSL	160°, 7%, 92%
HSV	160°, 1%, 92%
XYZ	77.8383, 82.5130, 89.6660
YIQ	233.9890, -1.4670, -0.9470

Conversions

Conversions Part 2

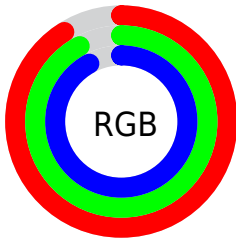
Format	Color
R _Y B	232, 234, 235
Decimal	15264746
CIE Lab	92.80, -1.17, 0.12
CIE LCh	93, 1.181, 174.022
Yxy	82.5130, 0.3113, 0.3300
Android (android.graphics.Color)	4293454826 (0xFFE8E8EA)
YUV	233.9890, 0.0054, -1.7444
Hunter-Lab	90.8367, -6.0068, 5.0598

Details

The XYZ color **77.8383, 82.5130, 89.6660** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.8286, 81.2607, 88.6777**, and the grayscale version is **78.2012, 82.2737, 89.5961**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0605, 44.6847, 48.5277** is the 20% darker color. If you saturate the color by 10%, you get **69.6112, 78.4016, 83.5222**, and if you desaturate by 10%, it is **86.9552, 87.0820, 96.1159**.

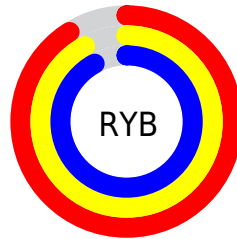
Distribution



Red (91%)

Green (92%)

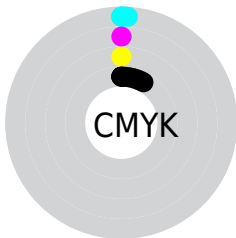
Blue (92%)



Red (91%)

Yellow (92%)

Blue (92%)

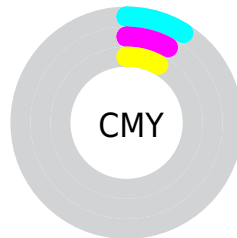


Cyan (1%)

Magenta (0%)

Yellow (0%)

Black (8%)



Cyan (9%)

Magenta (8%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8383, 82.5130, 89.6660 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 77.8383, 82.5130, 89.6660 by changing the saturation by 10% instead.

■ 77.8383, 82.5130,
89.6660

■ 77.8383, 82.5130,
89.6660

476.4657,
503.3620, 547.4858

■ 58.2435, 61.7885,
67.1315

129.2887,
136.8932, 148.8058

■ 42.2484, 44.8618,
48.7292

161.8750,
171.3176, 186.2482

■ 29.4878, 31.3486,
34.0407

199.5226,
211.0775, 229.4971

■ 19.5963, 20.8644,
22.6472

242.5966,
256.5572, 278.9708

■ 12.2085, 13.0249,
14.1304

291.4626,
308.1411, 335.0880

■ 6.9590, 7.4457,
8.0716

346.4859,

■ 3.4826, 3.7424,

366.2136, 398.2672

4.0524

408.0318,
431.1591, 468.9270

■ 1.4138, 1.5305,
1.6541

■ 0.2660, 0.3101,
0.3290

■ 77.8383, 82.5130,
89.6660

■ 77.8383, 82.5130,
89.6660

■ 69.6112, 78.4016,
83.5222

■ 86.9552, 87.0820,
96.1159

■ 62.4111, 74.8116,
77.6826

■ 88.1596, 87.5638,
102.4582

■ 56.1967, 71.7241,
72.1435

■ 88.9999, 87.8999,
106.8833

■ 50.9214, 69.1152,
66.8993

■ 46.5347, 66.9589,
61.9439

■ 42.9810, 65.2267,
57.2713

■ 40.1983, 63.8866,
52.8748

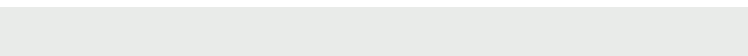
■ 38.1157, 62.9022,
48.7472

■ 36.6482, 62.2297,
44.8807

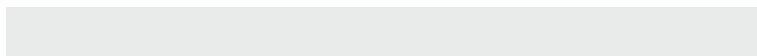
Harmonies

Analogous

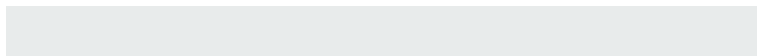
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9476, 82.5130, 88.8494



77.8383, 82.5130, 89.6660



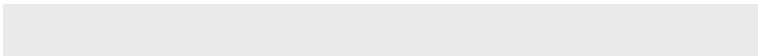
77.8862, 82.5130, 90.5352

Triad

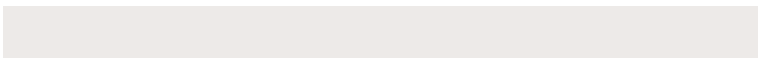
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8383, 82.5130, 89.6660



78.6676, 82.5130, 91.4015



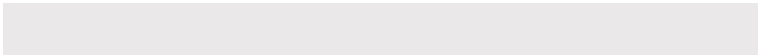
78.7747, 82.5130, 88.4764

Complementary

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



77.8383, 82.5130, 89.6660



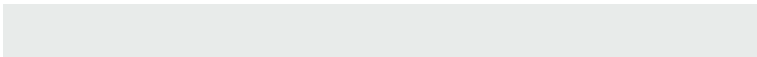
77.8286, 81.2607, 88.6777

Split Complementary

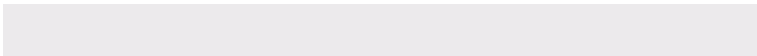
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.9686, 82.5130, 89.1536



77.8383, 82.5130, 89.6660



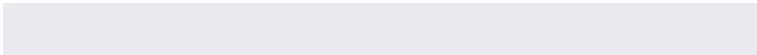
78.9066, 82.5130, 90.8433

Square

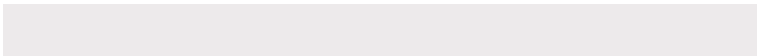
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



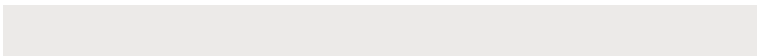
77.8383, 82.5130, 89.6660



78.3644, 82.5130, 91.5409



79.0169, 82.5130, 90.0195



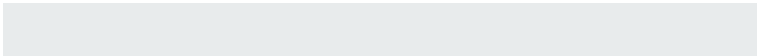
78.4879, 82.5130, 88.1654

Rectangle

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



77.8383, 82.5130, 89.6660



78.0008, 82.5130, 91.0271



79.0169, 82.5130, 90.0195



78.8530, 82.5130, 88.6685

Sweetspot

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



77.8406, 82.5165, 89.6678

95.0500, 100.0000, 108.9000



77.8972, 82.5787, 88.1787



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.



77.8406, 82.5165, 89.6678



92.9253, 98.9362, 107.3746



77.8565, 82.3167, 90.3868



16.6430, 17.7073, 19.2215



19.9574, 34.4374, 23.5387



1.6115, 2.7219, 2.0820

Inverse Universe

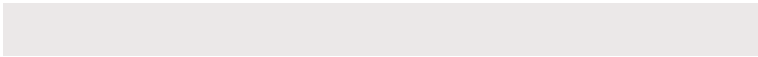
The Inverse Universe completely reimagines the original color for something new.



77.8286, 81.2607, 88.6777



92.9026, 96.5723, 105.5109



77.8125, 81.4575, 87.9667



16.6391, 17.3086, 18.9071



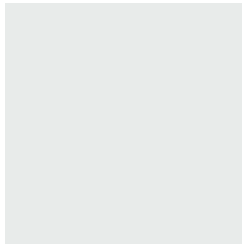
19.8968, 10.1614, 5.2579



1.6056, 0.8152, 0.6405

Previews

White Background



This preview shows how the XYZ color 77.8383, 82.5130, 89.6660 looks on a white background.

Color Contrast Check

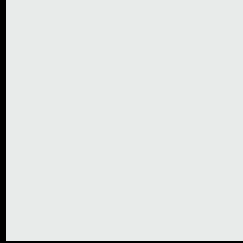
Large Text (above 18pt) WCAG AA × Fail

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 77.8383, 82.5130, 89.6660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

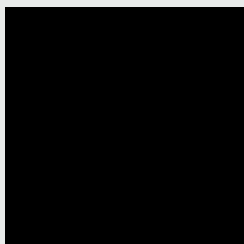
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

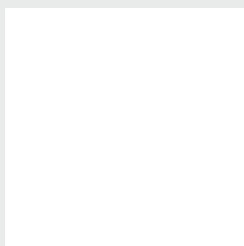
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8383, 82.5130, 89.6660

Background



This preview shows how black text looks on a background with the XYZ color 77.8383, 82.5130, 89.6660.



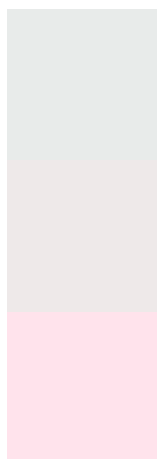
This preview shows how white text looks on a background with the XYZ color 77.8383, 82.5130,

89.6660.

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

77.8383, 82.5130, 89.6660

Protanopia

79.1068, 82.3382, 88.8143

Deuteranopia

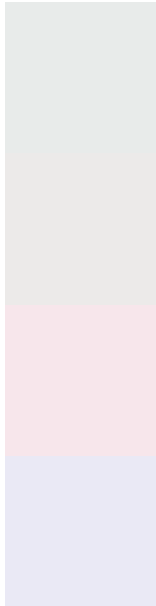
83.8494, 82.2543, 90.8142



Tritanopia

80.5301, 82.3404, 102.9157

Trichromacy



Original Color

77.8383, 82.5130, 89.6660

Protanomaly

78.7229, 82.5617, 88.8777

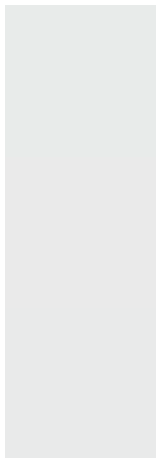
Deuteranomaly

81.6500, 82.3659, 90.1921

Tritanomaly

79.5520, 82.3628, 98.0910

Monochromacy



Original Color

77.8383, 82.5130, 89.6660

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.8784, 82.1098, 89.5860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8383, 82.5130, 89.6660 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(232, 235, 234) looks like.

```
.text, #text, p{  
    color:rgb(232, 235, 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(232, 235, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 235, 234) }
```

Border

The CSS property to change the border of an element to XYZ 77.8383, 82.5130, 89.6660 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(232, 235, 234) }
```

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

```
.border{ border-color:rgb(232, 235, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 235, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 235, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 235, 234);  
box-shadow:4px 4px 4px 4px rgb(232, 235,  
234) }
```


Background

The CSS property to change the background color of an element to XYZ 77.8383, 82.5130, 89.6660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 235, 234) }
```

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

```
.background{ background-color: rgb(232,  
235, 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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