

Converting Colors

XYZ(77.7859, 80.7044, 88.7800)

Have a look what the booklet for
XYZ(77.7859, 80.7044, 88.7800)
contains.

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Color

**XYZ(77.8760, 80.8679,
88.5954)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE7E9
RGB	236, 231, 233
RGB Percent	93%, 91%, 91%
CMY	0.0745, 0.0941, 0.0863
CMYK	0.00, 0.02, 0.01, 0.07
HSL	336°, 12%, 92%
HSV	336°, 2%, 93%
XYZ	77.8760, 80.8679, 88.5954
YIQ	232.7230, 2.3380, 1.6820

Conversions

Conversions Part 2

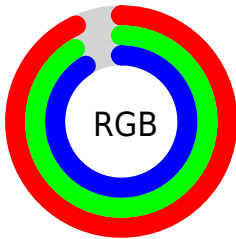
Format	Color
R _Y B	236, 231, 233
Decimal	15525865
CIE Lab	92.07, 2.04, -0.38
CIE LCh	92, 2.074, 349.361
Yxy	80.8679, 0.3149, 0.3270
Android (android.graphics.Color)	4293715945 (0xFFECE7E9)
YUV	232.7230, 0.1366, 2.8739
Hunter-Lab	89.9266, -2.7913, 4.5363

Details

The XYZ color **77.8760, 80.8679, 88.5954** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.8048, 82.9225, 89.7509**, and the grayscale version is **77.2436, 81.2663, 88.4990**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0882, 43.5376, 47.7803** is the 20% darker color. If you saturate the color by 10%, you get **69.7677, 67.7611, 76.3030**, and if you desaturate by 10%, it is **87.0421, 95.8279, 102.0445**.

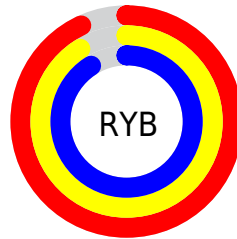
Distribution



Red (93%)

Green (91%)

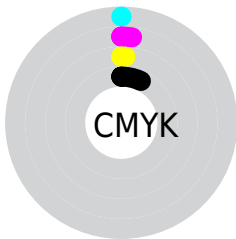
Blue (91%)



Red (93%)

Yellow (91%)

Blue (91%)

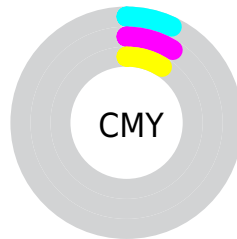


Cyan (0%)

Magenta (2%)

Yellow (1%)

Black (7%)



Cyan (7%)

Magenta (9%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8760, 80.8679, 88.5954 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 77.8760, 80.8679, 88.5954 by changing the saturation by 10% instead.

■ 77.8760, 80.8679,
88.5954

■ 77.8760, 80.8679,
88.5954

476.5919,
497.8529, 543.9028

■ 58.2746, 60.4328,
66.2491

129.3416,
134.5853, 147.3042

■ 42.2735, 43.7676,
48.0169

161.9365,
168.6363, 184.5038

■ 29.5076, 30.4878,
33.4802

199.5932,
207.9948, 227.4917

■ 19.6113, 20.2092,
22.2204

242.6771,
253.0452, 276.6863

■ 12.2195, 12.5472,
13.8191

291.5535,
304.1718, 332.5061

■ 6.9666, 7.1175,
7.8576

346.5879,

■ 3.4874, 3.5357,

361.7590, 395.3698

3.9175

408.1456,
426.1913, 465.6959

■ 1.4164, 1.4174,
1.5802

■ 0.2679, 0.2295,
0.2766

■ 77.8760, 80.8679,
88.5954

■ 77.8760, 80.8679,
88.5954

■ 69.7677, 67.7611,
76.3030

■ 87.0421, 95.8279,
102.0445

■ 62.6710, 56.4246,
65.1303

■ 88.4026, 96.5731,
108.5889

■ 56.5468, 46.7850,
55.0457

■ 51.3501, 38.7595,
46.0141

■ 47.0329, 32.2583,
37.9983

■ 43.5421, 27.1828,
30.9586

■ 40.8188, 23.4225,
24.8524

■ 38.7958, 20.8508,
19.6327

■ 37.3925, 19.3150,
15.2469

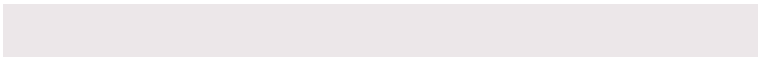
Harmonies

Analogous

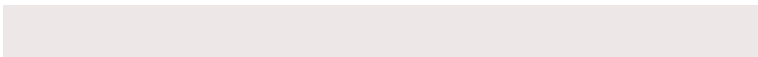
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6442, 80.8679, 89.9804



77.8760, 80.8679, 88.5954



77.8352, 80.8679, 87.0802

Triad

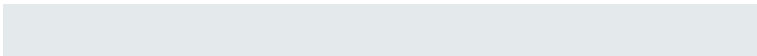
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8760, 80.8679, 88.5954



76.5226, 80.8679, 85.3063



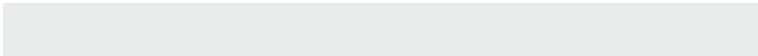
76.1958, 80.8679, 90.3016

Complementary

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



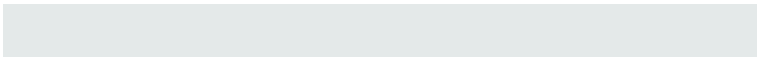
77.8760, 80.8679, 88.5954



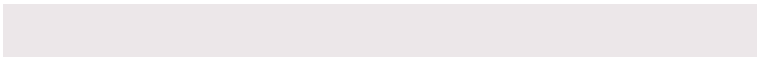
77.8048, 82.9225, 89.7509

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.



75.8979, 80.8679, 89.0298



77.8760, 80.8679, 88.5954



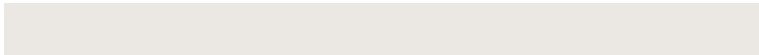
76.0860, 80.8679, 86.1501

Square

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



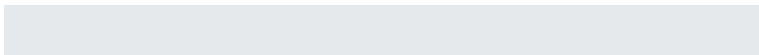
77.8760, 80.8679, 88.5954



77.0522, 80.8679, 85.1930



75.8579, 80.8679, 87.5096



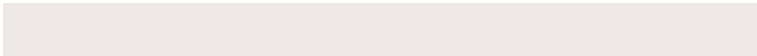
76.6731, 80.8679, 90.9730

Rectangle

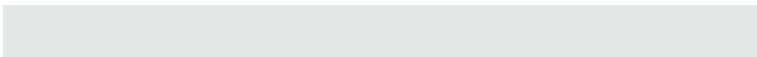
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8760, 80.8679, 88.5954



77.6591, 80.8679, 86.1997



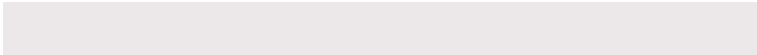
75.8579, 80.8679, 87.5096



76.0714, 80.8679, 89.9294

Sweetspot

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



77.8783, 80.8714, 88.5972



93.9963, 98.2856, 107.3374



77.6508, 80.7041, 90.8429



20.1302, 21.0552, 22.9911



0.0000, 0.0000, 0.0000



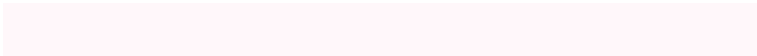
20.3446, 21.4041, 23.3091

Same Dimension

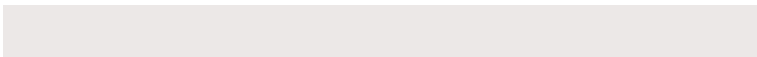
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.8783, 80.8714, 88.5972



91.9270, 94.9235, 104.2540



77.7347, 81.0380, 87.1503



16.3028, 16.7516, 18.4381



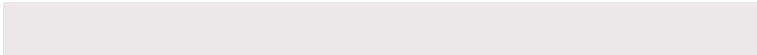
20.2485, 10.3021, 7.1098



1.6363, 0.8275, 0.8023

Inverse Universe

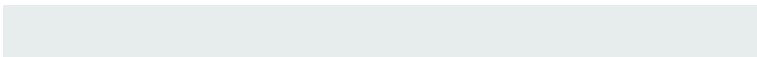
The Inverse Universe completely reimagines the original color for something new.



77.8783, 80.8714, 88.5972



91.9270, 94.9235, 104.2540



77.9496, 82.7506, 91.2222



16.3028, 16.7516, 18.4381



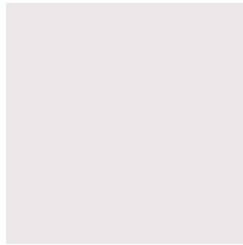
20.2485, 10.3021, 7.1098



1.6363, 0.8275, 0.8023

Previews

White Background



This preview shows how the XYZ color 77.8760, 80.8679, 88.5954 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 77.8760, 80.8679, 88.5954 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

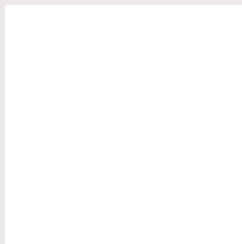
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8760, 80.8679, 88.5954

Background



This preview shows how black text looks on a background with the XYZ color 77.8760, 80.8679, 88.5954.



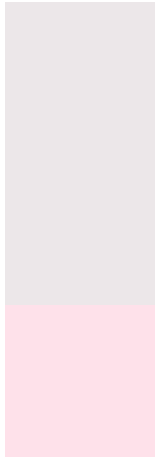
This preview shows how white text looks on a background with the XYZ color 77.8760, 80.8679,

88.5954.

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

77.8760, 80.8679, 88.5954

Protanopia

77.8760, 80.8679, 88.5954

Deuteranopia

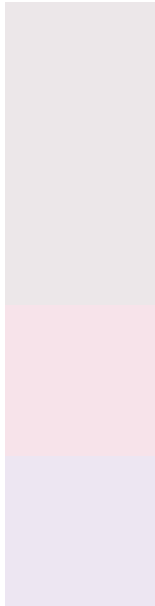
82.6495, 80.8618, 89.0937



Tritanopia

80.0677, 80.9312, 99.3969

Trichromacy



Original Color

77.8760, 80.8679, 88.5954

Protanomaly

77.8760, 80.8679, 88.5954

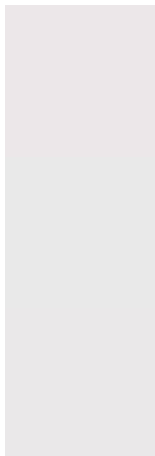
Deuteranomaly

80.6781, 80.6528, 89.1573

Tritanomaly

79.2489, 81.0090, 95.4638

Monochromacy



Original Color

77.8760, 80.8679, 88.5954

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.4963, 81.0888, 88.6580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8760, 80.8679, 88.5954 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(236, 231, 233) looks like.

```
.text, #text, p{  
    color:rgb(236, 231, 233)  
}
```

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(236, 231, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 231, 233) }
```

Border

The CSS property to change the border of an element to XYZ 77.8760, 80.8679, 88.5954 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(236, 231, 233) }
```


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

```
.border{ border-color:rgb(236, 231, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 231, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 231, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 231, 233);  
box-shadow:4px 4px 4px 4px rgb(236, 231,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8760, 80.8679, 88.5954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 231, 233) }
```

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

```
.background{ background-color: rgb(236,  
231, 233) }
```

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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