

Converting Colors

XYZ(77.2385, 81.9069, 87.9585)

Have a look what the booklet for
XYZ(77.2385, 81.9069, 87.9585)
contains.

XYZ(77.2670, 81.8276, 88.0658)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(77.2670, 81.8276,
88.0658)**

Conversions

Conversions Part 1

Format	Color
Hex	E8EAE8
RGB	232, 234, 232
RGB Percent	91%, 92%, 91%
CMY	0.0902, 0.0823, 0.0902
CMYK	0.01, 0.00, 0.01, 0.08
HSL	120°, 5%, 91%
HSV	120°, 1%, 92%
XYZ	77.2670, 81.8276, 88.0658
YIQ	233.1740, -0.5500, -1.0460

Conversions

Conversions Part 2

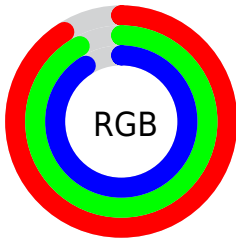
Format	Color
R _Y B	232, 234, 234
Decimal	15264488
CIE Lab	92.50, -1.02, 0.72
CIE LCh	92, 1.251, 144.626
Yxy	81.8276, 0.3126, 0.3311
Android (android.graphics.Color)	4293454568 (0xFFE8EAE8)
YUV	233.1740, -0.5788, -1.0296
Hunter-Lab	90.4586, -5.8333, 5.5994

Details

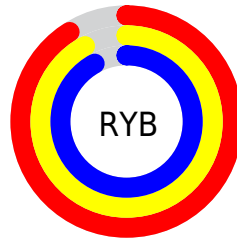
The XYZ color **77.2670, 81.8276, 88.0658** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.6426, 81.1483, 89.4170**, and the grayscale version is **77.5896, 81.6303, 88.8954**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6614, 44.2055, 47.4110** is the 20% darker color. If you saturate the color by 10%, you get **67.0655, 76.9297, 71.3776**, and if you desaturate by 10%, it is **88.7144, 87.3288, 106.7881**.

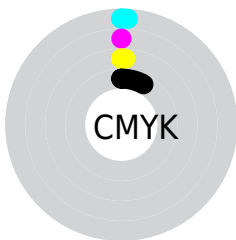
Distribution



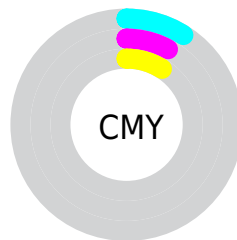
- Red (91%)
- Green (92%)
- Blue (91%)



- Red (91%)
- Yellow (92%)
- Blue (92%)



- Cyan (1%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)



- Cyan (9%)
- Magenta (8%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2670, 81.8276, 88.0658 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 77.2670, 81.8276, 88.0658 by changing the saturation by 10% instead.

■ 77.2670, 81.8276,
88.0658

■ 77.2670, 81.8276,
88.0658

474.5519,
501.0708, 542.1256

■ 57.7727, 61.2234,
65.8129

128.4872,
135.9322, 146.5607

■ 41.8685, 44.4055,
47.6650

160.9437,
170.2015, 183.6398

■ 29.1890, 30.9894,
33.2036

198.4518,
209.7945, 226.4981

■ 19.3688, 20.5908,
22.0101

241.3767,
255.0958, 275.5540

■ 12.0427, 12.8252,
13.6659

290.0838,
306.4896, 331.2262

■ 6.8452, 7.3083,
7.7526

344.9385,

■ 3.4109, 3.6557,

364.3605, 393.9332

3.8515

406.3061,
429.0928, 464.0934

■ 1.3746, 1.4829,
1.5443

■ 0.2380, 0.2766,
0.2506

■ 77.2670, 81.8276,
88.0658

■ 77.2670, 81.8276,
88.0658

■ 67.0655, 76.9297,
71.3776

■ 88.7144, 87.3288,
106.7881

■ 58.2587, 72.6993,
56.9726

■ 50.7881, 69.1108,
44.7531

■ 44.5884, 66.1328,
34.6126

■ 39.5891, 63.7314,
26.4352

■ 35.7124, 61.8692,
20.0941

■ 32.8717, 60.5047,
15.4474

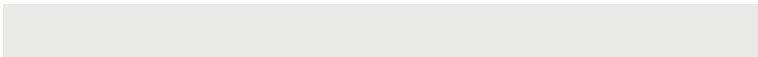
■ 30.9675, 59.5900,
12.3326

■ 29.8812, 59.0682,
10.5556

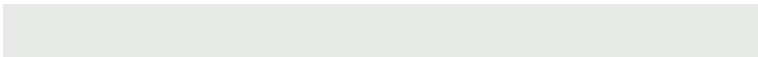
Harmonies

Analogous

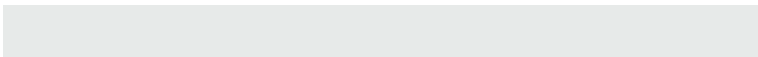
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5150, 81.8276, 87.4817



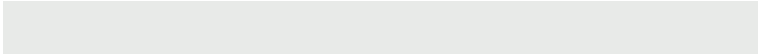
77.2670, 81.8276, 88.0658



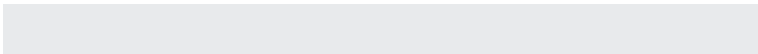
77.1551, 81.8276, 88.9291

Triad

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



77.2670, 81.8276, 88.0658



77.7163, 81.8276, 90.8874



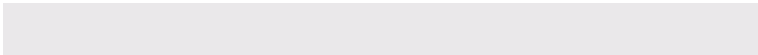
78.3433, 81.8276, 88.3538

Complementary

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



77.2670, 81.8276, 88.0658



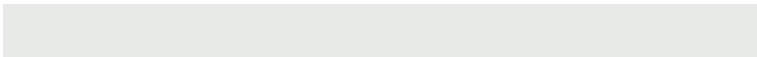
77.6426, 81.1483, 89.4170

Split Complementary

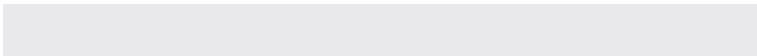
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3976, 81.8276, 89.2638



77.2670, 81.8276, 88.0658



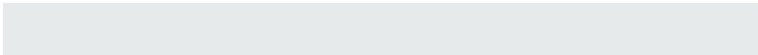
78.0350, 81.8276, 90.7307

Square

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



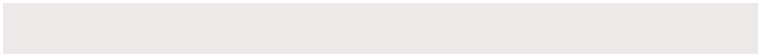
77.2670, 81.8276, 88.0658



77.4140, 81.8276, 90.5614



78.2846, 81.8276, 90.1349



78.1365, 81.8276, 87.6471

Rectangle

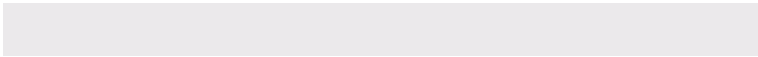
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2670, 81.8276, 88.0658



77.1725, 81.8276, 89.5483



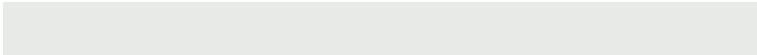
78.2846, 81.8276, 90.1349



78.3800, 81.8276, 88.6459

Sweetspot

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



77.2693, 81.8311, 88.0676

95.0500, 100.0000, 108.9000



77.9236, 82.1684, 88.0982



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

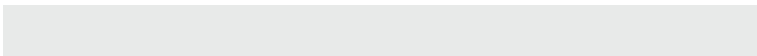
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2693, 81.8311, 88.0676



93.7102, 99.3564, 106.7085



77.4121, 81.8882, 88.8194



16.7754, 17.7782, 19.1091



16.5341, 33.0681, 5.5115



1.2983, 2.5966, 0.4328

Inverse Universe

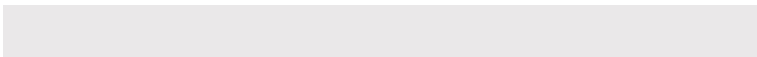
The Inverse Universe completely reimagines the original color for something new.



77.6426, 81.1483, 89.4170



94.2419, 98.3838, 108.6306



77.4990, 81.0908, 88.6609



16.8651, 17.6142, 19.4332



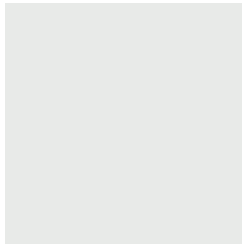
27.4129, 13.1678, 44.8369



2.1526, 1.0340, 3.5208

Previews

White Background



This preview shows how the XYZ color 77.2670, 81.8276, 88.0658 looks on a white background.

Color Contrast Check

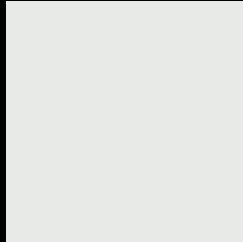
Large Text (above 18pt) WCAG AA × Fail

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 77.2670, 81.8276, 88.0658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

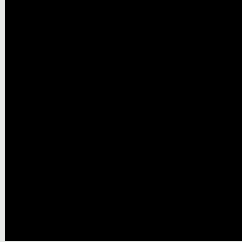
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

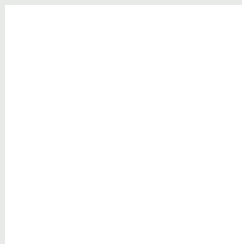
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2670, 81.8276, 88.0658

Background



This preview shows how black text looks on a background with the XYZ color 77.2670, 81.8276, 88.0658.



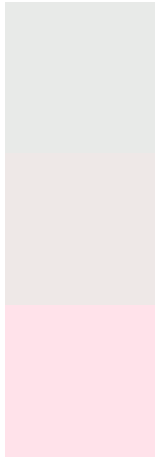
This preview shows how white text looks on a background with the XYZ color 77.2670, 81.8276,

88.0658.

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

77.2670, 81.8276, 88.0658

Protanopia

78.5403, 81.6599, 87.2237

Deuteranopia

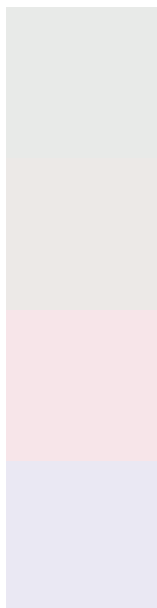
83.2876, 81.5932, 89.2012



Tritanopia

80.0922, 81.7161, 101.9940

Trichromacy



Original Color

77.2670, 81.8276, 88.0658

Protanomaly

78.1548, 81.8802, 87.2866

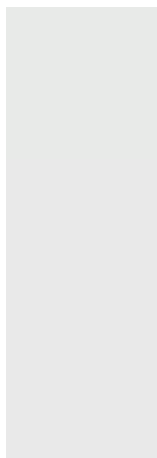
Deuteranomaly

81.0851, 81.6960, 88.5861

Tritanomaly

78.9660, 81.6767, 96.3972

Monochromacy



Original Color

77.2670, 81.8276, 88.0658

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.4512, 81.4847, 88.7368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2670, 81.8276, 88.0658 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, 234, 232) looks like.

```
.text, #text, p{  
    color:rgb(232, 234, 232)  
}
```

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, 234, 232) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 77.2670, 81.8276, 88.0658 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, 234, 232) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to XYZ 77.2670, 81.8276, 88.0658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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