

Converting Colors

XYZ(77.7558, 81.5148, 88.6028)

Have a look what the booklet for
XYZ(77.7558, 81.5148, 88.6028)
contains.

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Color

**XYZ(77.7786, 81.6534,
88.7521)**

Conversions

Conversions Part 1

Format	Color
Hex	EAE9E9
RGB	234, 233, 233
RGB Percent	92%, 91%, 91%
CMY	0.0823, 0.0863, 0.0863
CMYK	0.00, 0.00, 0.00, 0.08
HSL	0°, 2%, 92%
HSV	0°, 0%, 92%
XYZ	77.7786, 81.6534, 88.7521
YIQ	233.2990, 0.5960, 0.2120

Conversions

Conversions Part 2

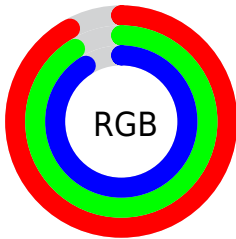
Format	Color
R _Y B	234, 233, 233
Decimal	15395305
CIE Lab	92.42, 0.34, 0.11
CIE LCh	92, 0.357, 17.685
Yxy	81.6534, 0.3134, 0.3290
Android (android.graphics.Color)	4293585385 (0xFFEAE9E9)
YUV	233.2990, -0.1474, 0.6148
Hunter-Lab	90.3623, -4.4915, 5.0201

Details

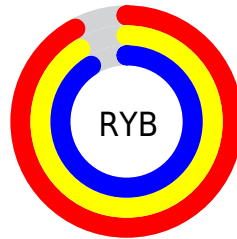
The XYZ color **77.7786, 81.6534, 88.7521** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.8785, 82.1089, 89.5872**, and the grayscale version is **77.6800, 81.7255, 88.9990**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.0180, 44.0836, 47.8894** is the 20% darker color. If you saturate the color by 10%, you get **68.4868, 68.0687, 70.2417**, and if you desaturate by 10%, it is **87.7422, 96.2327, 108.5580**.

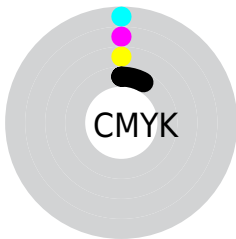
Distribution



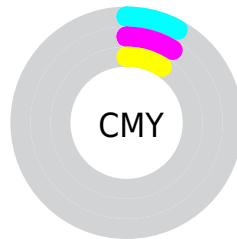
- Red (92%)
- Green (91%)
- Blue (91%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7786, 81.6534, 88.7521 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 77.7786, 81.6534, 88.7521 by changing the saturation by 10% instead.

■ 77.7786, 81.6534,
88.7521

■ 77.7786, 81.6534,
88.7521

476.2659,
500.4876, 544.4281

■ 58.1943, 61.0799,
66.3782

129.2050,
135.6878, 147.5241

■ 42.2087, 44.2896,
48.1211

161.7778,
169.9176, 184.7594

■ 29.4566, 30.8983,
33.5621

199.4107,
209.4681, 227.7855

■ 19.5725, 20.5214,
22.2828

242.4692,
254.7239, 277.0210

■ 12.1911, 12.7746,
13.8645

291.3187,
306.0694, 332.8845

■ 6.9471, 7.2735,
7.8888

346.3244,

■ 3.4751, 3.6337,

363.8889, 395.7945

3.9371

407.8517,
428.5668, 466.1695

■ 1.4097, 1.4709,
1.5909

■ 0.2631, 0.2681,
0.2843

■ 77.7786, 81.6534,
88.7521

■ 77.7786, 81.6534,
88.7521

■ 68.4868, 68.0687,
70.2417

■ 87.7422, 96.2327,
108.5580

■ 60.4566, 56.3264,
54.2523

■ 53.6356, 46.3505,
40.6766

■ 47.9653, 38.0555,
29.3974

■ 43.3823, 31.3490,
20.2877

■ 39.8172, 26.1296,
13.2083

■ 37.1923, 22.2841,
8.0039

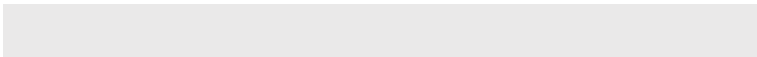
■ 35.4189, 19.6833,
4.4966

■ 34.3915, 18.1734,
2.4746

Harmonies

Analogous

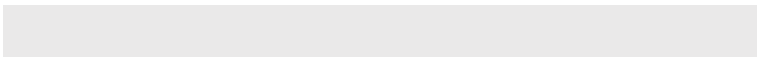
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7829, 81.6534, 89.0153



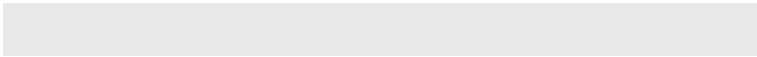
77.7786, 81.6534, 88.7521



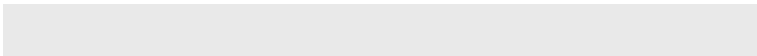
77.7288, 81.6534, 88.5307

Triad

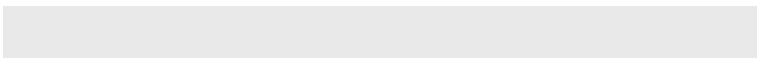
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7786, 81.6534, 88.7521



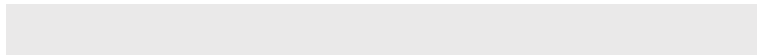
77.4777, 81.6534, 88.5644



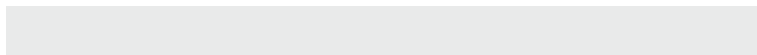
77.5712, 81.6534, 89.4050

Complementary

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



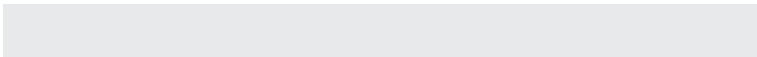
77.7786, 81.6534, 88.7521



77.8785, 82.1089, 89.5872

Split Complementary

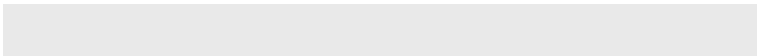
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.4895, 81.6534, 89.2837



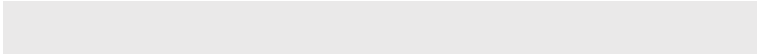
77.7786, 81.6534, 88.7521



77.4356, 81.6534, 88.7981

Square

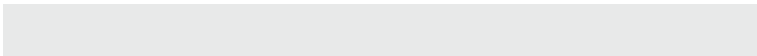
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



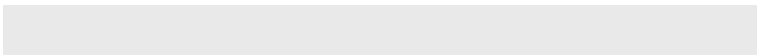
77.7786, 81.6534, 88.7521



77.5551, 81.6534, 88.4225



77.4399, 81.6534, 89.0614



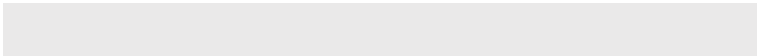
77.6631, 81.6534, 89.3926

Rectangle

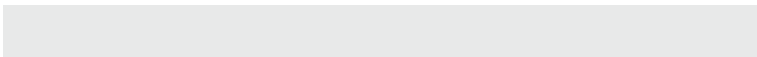
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



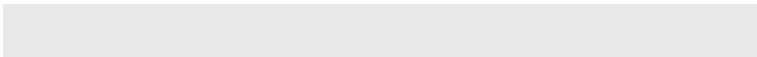
77.7786, 81.6534, 88.7521



77.6766, 81.6534, 88.4365



77.4399, 81.6534, 89.0614



77.5416, 81.6534, 89.3785

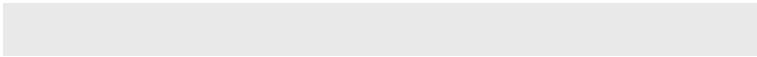
Sweetspot

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



77.7809, 81.6569, 88.7539

95.0500, 100.0000, 108.9000



77.9231, 81.7121, 89.5082



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

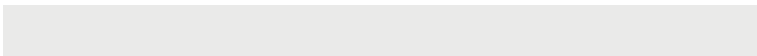
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7809, 81.6569, 88.7539



93.8371, 98.2268, 106.4837



77.9216, 81.9383, 88.8008



16.7968, 17.5878, 19.0712



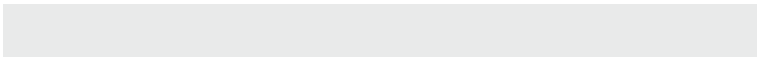
19.0753, 9.8448, 0.8949



1.4995, 0.7763, 0.0708

Inverse Universe

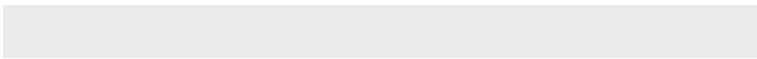
The Inverse Universe completely reimagines the original color for something new.



77.8785, 82.1089, 89.5872



94.1149, 99.5133, 108.8553



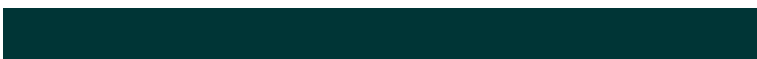
77.7375, 81.8268, 89.5401



16.8437, 17.8047, 19.4711



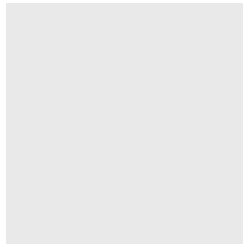
24.7391, 36.1251, 49.4119



1.9442, 2.8399, 3.8806

Previews

White Background



This preview shows how the XYZ color 77.7786, 81.6534, 88.7521 looks on a white background.

Color Contrast Check

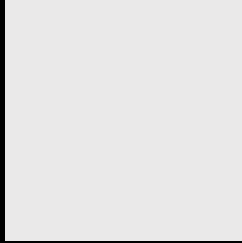
Large Text (above 18pt) WCAG AA × Fail

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 77.7786, 81.6534, 88.7521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

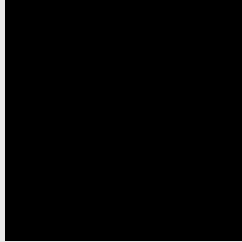
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

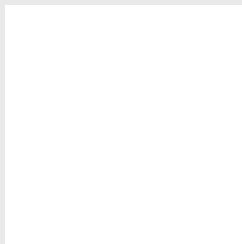
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.7786, 81.6534, 88.7521

Background



This preview shows how black text looks on a background with the XYZ color 77.7786, 81.6534, 88.7521.



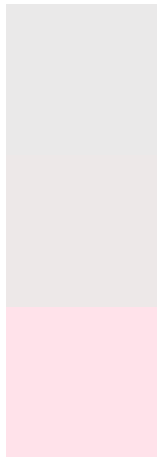
This preview shows how white text looks on a background with the XYZ color 77.7786, 81.6534,

88.7521.

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

77.7786, 81.6534, 88.7521

Protanopia

78.3472, 81.5439, 87.9541

Deuteranopia

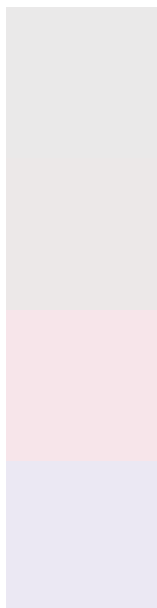
83.2876, 81.5932, 89.2012



Tritanopia

80.2669, 81.8242, 101.1857

Trichromacy



Original Color

77.7786, 81.6534, 88.7521

Protanomaly

78.0142, 81.3723, 87.9386

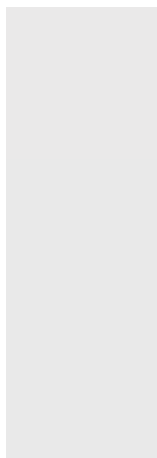
Deuteranomaly

81.2284, 81.7533, 89.3407

Tritanomaly

79.2952, 81.8465, 96.4127

Monochromacy



Original Color

77.7786, 81.6534, 88.7521

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 77.7786, 81.6534, 88.7521 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(234, 233, 233) looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 77.7786, 81.6534, 88.7521 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(234, 233, 233) }
```

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

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

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

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

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


Background

The CSS property to change the background color of an element to XYZ 77.7786, 81.6534, 88.7521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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