

Converting Colors

XYZ(77.2133, 80.7044, 86.7886)

Have a look what the booklet for
XYZ(77.2133, 80.7044, 86.7886)
contains.

XYZ(77.2607, 80.5835, 87.0834) 3
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Color

**XYZ(77.2607, 80.5835,
87.0834)**

Conversions

Conversions Part 1

Format	Color
Hex	EBE7E7
RGB	235, 231, 231
RGB Percent	92%, 91%, 91%
CMY	0.0784, 0.0941, 0.0941
CMYK	0.00, 0.02, 0.02, 0.08
HSL	0°, 9%, 91%
HSV	0°, 2%, 92%
XYZ	77.2607, 80.5835, 87.0834
YIQ	232.1960, 2.3840, 0.8480

Conversions

Conversions Part 2

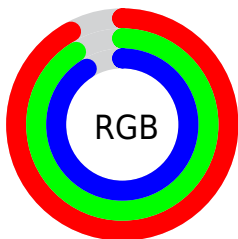
Format	Color
R _Y B	235, 231, 231
Decimal	15460327
CIE Lab	91.95, 1.35, 0.47
CIE LCh	92, 1.428, 19.072
Yxy	80.5835, 0.3154, 0.3290
Android (android.graphics.Color)	4293650407 (0xFFEBE7E7)
YUV	232.1960, -0.5896, 2.4591
Hunter-Lab	89.7683, -3.4653, 5.3211

Details

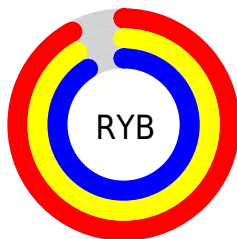
The XYZ color **77.2607, 80.5835, 87.0834** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.6588, 82.4028, 90.4108**, and the grayscale version is **76.8535, 80.8558, 88.0520**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6582, 43.3388, 46.7270** is the 20% darker color. If you saturate the color by 10%, you get **68.0264, 67.0741, 68.7146**, and if you desaturate by 10%, it is **87.8266, 96.0408, 108.0966**.

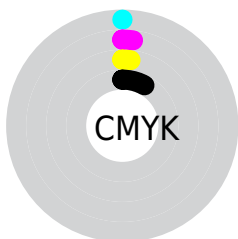
Distribution



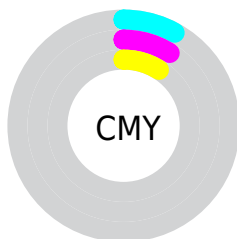
- Red (92%)
- Green (91%)
- Blue (91%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (2%)
- Black (8%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2607, 80.5835, 87.0834 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 77.2607, 80.5835, 87.0834 by changing the saturation by 10% instead.

■ 77.2607, 80.5835,
87.0834

■ 77.2607, 80.5835,
87.0834

474.5307,
496.8971, 538.8202

■ 57.7675, 60.1986,
65.0042

128.4783,
134.1858, 145.1803

■ 41.8643, 43.5788,
47.0131

160.9335,
168.1720, 182.0350

■ 29.1857, 30.3395,
32.6916

198.4400,
207.4608, 224.6521

■ 19.3663, 20.0964,
21.6211

241.3633,
252.4365, 273.4499

■ 12.0409, 12.4651,
13.3831

290.0686,
303.4837, 328.8471

■ 6.8439, 7.0613,
7.5591

344.9214,

■ 3.4101, 3.5005,

360.9865, 391.2622

3.7304

406.2870,
425.3295, 461.1137

■ 1.3742, 1.3983,
1.4787

■ 0.2377, 0.2154,
0.2020

■ 77.2607, 80.5835,
87.0834

■ 77.2607, 80.5835,
87.0834

■ 68.0264, 67.0741,
68.7146

■ 87.8266, 96.0408,
108.0966

■ 60.0645, 55.4254,
52.8805

■ 88.0715, 96.4024,
108.5734

■ 53.3211, 45.5591,
39.4715

■ 47.7363, 37.3874,
28.3678

■ 43.2449, 30.8150,
19.4396

■ 39.7751, 25.7370,
12.5444

■ 37.2470, 22.0363,
7.5223

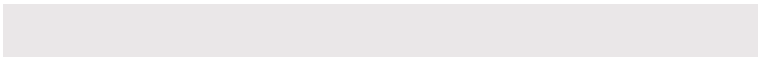
■ 35.5683, 19.5783,
4.1899

■ 34.6284, 18.2013,
2.3268

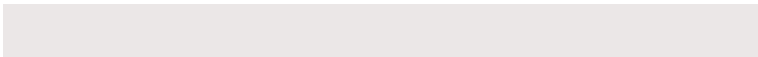
Harmonies

Analogous

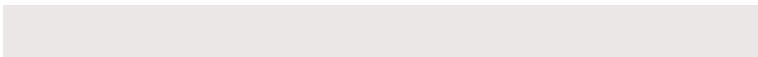
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2868, 80.5835, 88.1252



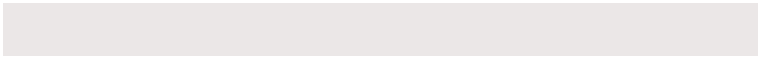
77.2607, 80.5835, 87.0834



77.0552, 80.5835, 86.2245

Triad

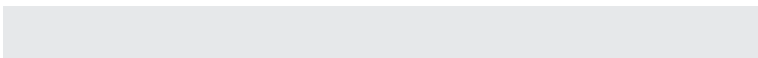
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.2607, 80.5835, 87.0834



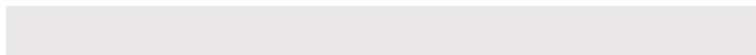
76.0606, 80.5835, 86.4251



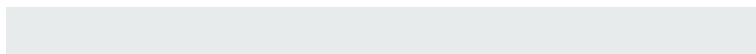
76.4586, 80.5835, 89.7399

Complementary

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



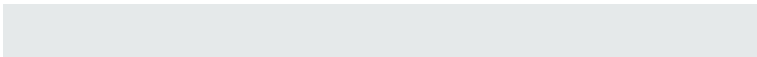
77.2607, 80.5835, 87.0834



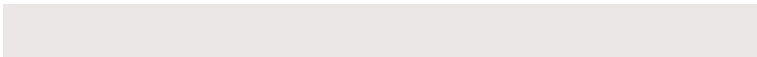
77.6588, 82.4028, 90.4108

Split Complementary

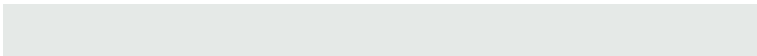
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.1311, 80.5835, 89.2767



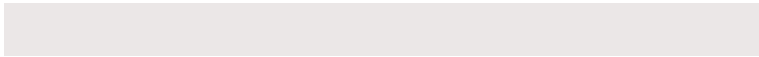
77.2607, 80.5835, 87.0834



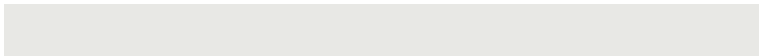
75.9018, 80.5835, 87.3594

Square

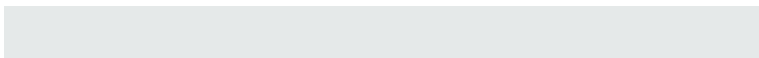
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



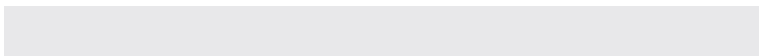
77.2607, 80.5835, 87.0834



76.3620, 80.5835, 85.8466



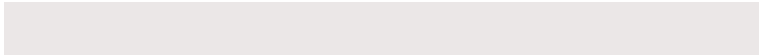
75.9276, 80.5835, 88.4034



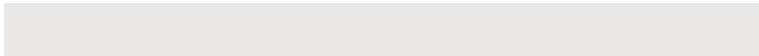
76.8229, 80.5835, 89.6646

Rectangle

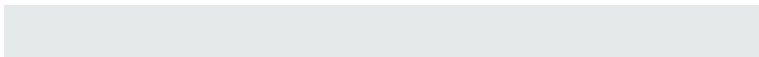
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



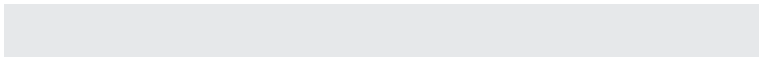
77.2607, 80.5835, 87.0834



76.8444, 80.5835, 85.8686



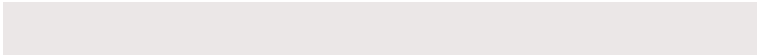
75.9276, 80.5835, 88.4034



76.3405, 80.5835, 89.6419

Sweetspot

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



77.2630, 80.5870, 87.0852



93.8348, 98.2222, 106.4829



77.8335, 80.8134, 90.0948



20.0973, 21.0423, 22.8172



0.0000, 0.0000, 0.0000



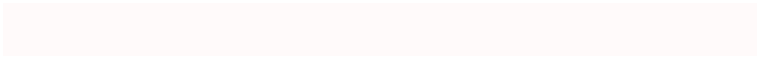
20.3446, 21.4041, 23.3091

Same Dimension

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



77.2630, 80.5870, 87.0852



92.6357, 96.4680, 104.0981



77.8249, 81.7108, 87.2725



16.5941, 17.2910, 18.6687



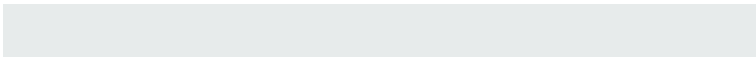
19.0697, 9.8336, 0.8930



1.4978, 0.7730, 0.0703

Inverse Universe

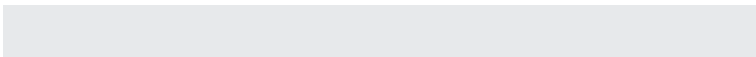
The Inverse Universe completely reimagines the original color for something new.



77.6588, 82.4028, 90.4108



93.1969, 99.0423, 108.8128



77.0905, 81.2662, 90.2213



16.6888, 17.7252, 19.4640



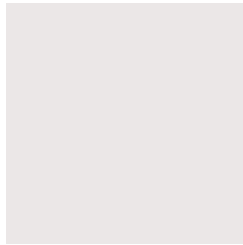
24.8437, 36.3345, 49.4468



1.9512, 2.8540, 3.8829

Previews

White Background



This preview shows how the XYZ color 77.2607, 80.5835, 87.0834 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 77.2607, 80.5835, 87.0834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

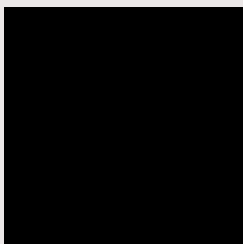
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

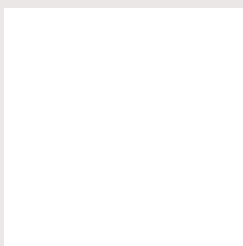
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2607, 80.5835, 87.0834

Background



This preview shows how black text looks on a background with the XYZ color 77.2607, 80.5835, 87.0834.



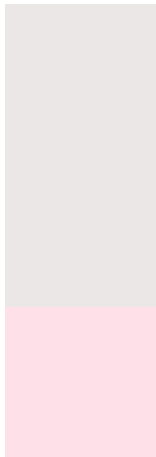
This preview shows how white text looks on a background with the XYZ color 77.2607, 80.5835,

87.0834.

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

77.2607, 80.5835, 87.0834

Protanopia

77.5918, 80.7542, 87.0989

Deuteranopia

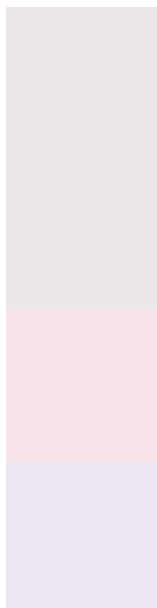
82.0942, 80.2083, 87.4989



Tritanopia

79.7329, 80.7585, 99.3813

Trichromacy



Original Color

77.2607, 80.5835, 87.0834

Protanomaly

77.5918, 80.7542, 87.0989

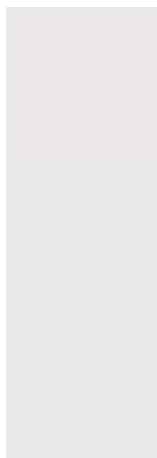
Deuteranomaly

80.3923, 80.5385, 87.6523

Tritanomaly

78.7661, 80.7774, 94.6593

Monochromacy



Original Color

77.2607, 80.5835, 87.0834

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

77.0264, 80.8631, 87.8923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2607, 80.5835, 87.0834 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(235, 231, 231) looks like.

```
.text, #text, p{  
    color:rgb(235, 231, 231)  
}
```

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(235, 231, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 231, 231) }
```

Border

The CSS property to change the border of an element to XYZ 77.2607, 80.5835, 87.0834 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(235, 231, 231) }
```


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

```
.border{ border-color:rgb(235, 231, 231) }
```

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

Here you see how a box with a 4 pixel rgb(235, 231, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 231, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 231, 231);  
box-shadow:4px 4px 4px 4px rgb(235, 231,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2607, 80.5835, 87.0834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 231, 231) }
```

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

```
.background{ background-color: rgb(235,  
231, 231) }
```

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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