

Converting Colors

XYZ(77.4540, 80.5239, 86.7704)

Have a look what the booklet for
XYZ(77.4540, 80.5239, 86.7704)
contains.

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Color

**XYZ(77.5918, 80.7542,
87.0989)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE7E7
RGB	236, 231, 231
RGB Percent	93%, 91%, 91%
CMY	0.0745, 0.0941, 0.0941
CMYK	0.00, 0.02, 0.02, 0.07
HSL	0°, 12%, 92%
HSV	0°, 2%, 93%
XYZ	77.5918, 80.7542, 87.0989
YIQ	232.4950, 2.9800, 1.0600

Conversions

Conversions Part 2

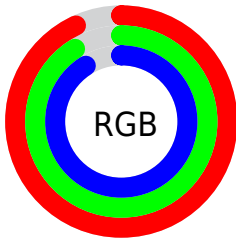
Format	Color
R _Y B	236, 231, 231
Decimal	15525863
CIE Lab	92.02, 1.69, 0.59
CIE LCh	92, 1.786, 19.183
Yxy	80.7542, 0.3161, 0.3290
Android (android.graphics.Color)	4293715943 (0xFFECE7E7)
YUV	232.4950, -0.7370, 3.0739
Hunter-Lab	89.8633, -3.1364, 5.4383

Details

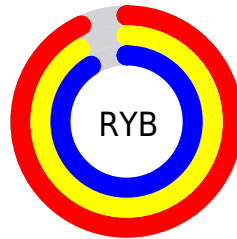
The XYZ color **77.5918, 80.7542, 87.0989** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.0908, 83.0349, 91.2695**, and the grayscale version is **77.0784, 81.0925, 88.3097**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8902, 43.4584, 46.7379** is the 20% darker color. If you saturate the color by 10%, you get **68.3199, 67.1892, 68.6571**, and if you desaturate by 10%, it is **88.2069, 96.2843, 108.2077**.

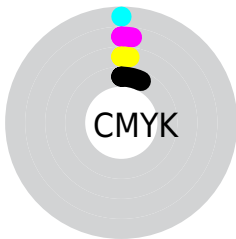
Distribution



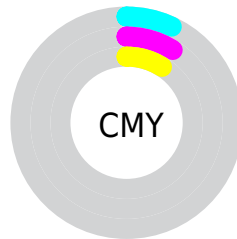
- Red (93%)
- Green (91%)
- Blue (91%)



- Red (93%)
- Yellow (91%)
- Blue (91%)



- Cyan (0%)
- Magenta (2%)
- Yellow (2%)
- Black (7%)



- Cyan (7%)
- Magenta (9%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5918, 80.7542, 87.0989 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 77.5918, 80.7542, 87.0989 by changing the saturation by 10% instead.

■ 77.5918, 80.7542,
87.0989

■ 77.5918, 80.7542,
87.0989

475.6405,
497.4709, 538.8724

■ 58.0403, 60.3392,
65.0170

128.9429,
134.4256, 145.2021

■ 42.0845, 43.6921,
47.0234

161.4733,
168.4507, 182.0604

■ 29.3588, 30.4285,
32.6997

199.0607,
207.7814, 224.6812

■ 19.4981, 20.1641,
21.6272

242.0705,
252.8019, 273.4831

■ 12.1369, 12.5144,
13.3876

290.8680,
303.8967, 328.8847

■ 6.9098, 7.0950,
7.5621

345.8186,

■ 3.4516, 3.5216,

361.4503, 391.3044

3.7323

407.2876,
425.8469, 461.1608

■ 1.3968, 1.4097,
1.4797

■ 0.2540, 0.2239,
0.2027

■ 77.5918, 80.7542,
87.0989

■ 77.5918, 80.7542,
87.0989

■ 68.3199, 67.1892,
68.6571

■ 88.2069, 96.2843,
108.2077

■ 60.3313, 55.5011,
52.7713

■ 88.4026, 96.5731,
108.5889

■ 53.5715, 45.6105,
39.3302

■ 47.9795, 37.4282,
28.2127

■ 43.4893, 30.8576,
19.2870

■ 40.0281, 25.7922,
12.4083

■ 37.5145, 22.1130,
7.4145

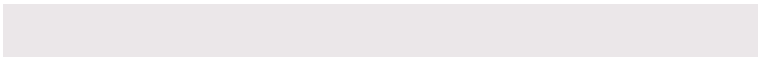
■ 35.8547, 19.6829,
4.1188

■ 34.9358, 18.3369,
2.2964

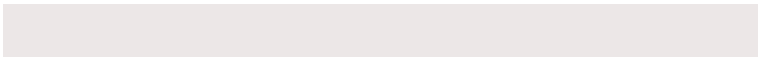
Harmonies

Analogous

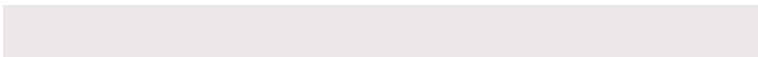
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6254, 80.7542, 88.4032



77.5918, 80.7542, 87.0989



77.3333, 80.7542, 86.0268

Triad

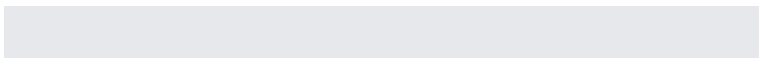
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.5918, 80.7542, 87.0989



76.0878, 80.7542, 86.2843



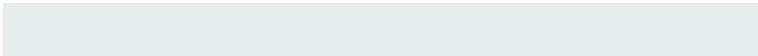
76.5888, 80.7542, 90.4361

Complementary

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



77.5918, 80.7542, 87.0989



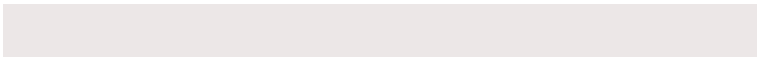
78.0908, 83.0349, 91.2695

Split Complementary

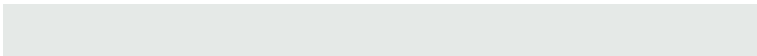
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.1785, 80.7542, 89.8562



77.5918, 80.7542, 87.0989



75.8900, 80.7542, 87.4537

Square

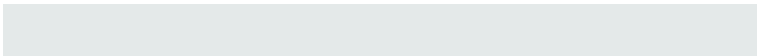
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



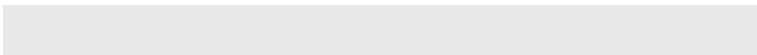
77.5918, 80.7542, 87.0989



76.4645, 80.7542, 85.5597



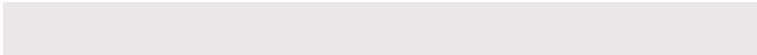
75.9231, 80.7542, 88.7615



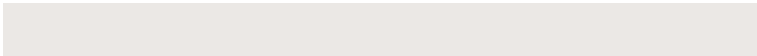
77.0451, 80.7542, 90.3388

Rectangle

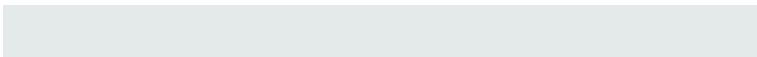
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.5918, 80.7542, 87.0989



77.0688, 80.7542, 85.5839



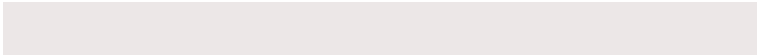
75.9231, 80.7542, 88.7615



76.4409, 80.7542, 90.3136

Sweetspot

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



77.5941, 80.7577, 87.1007



93.8346, 98.2219, 106.4829



78.3095, 81.0421, 90.8734



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.



77.5941, 80.7577, 87.1007



91.4523, 94.7365, 101.7451



78.2977, 82.1650, 87.3352



16.1970, 16.7100, 17.8790



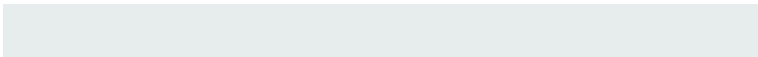
19.0693, 9.8329, 0.8929



1.4977, 0.7728, 0.0702

Inverse Universe

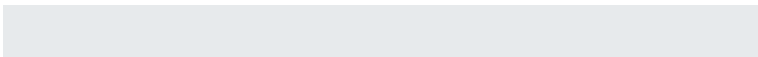
The Inverse Universe completely reimagines the original color for something new.



78.0908, 83.0349, 91.2695



92.2894, 98.5740, 108.7703



77.3772, 81.6076, 91.0317



16.3841, 17.5679, 19.4497



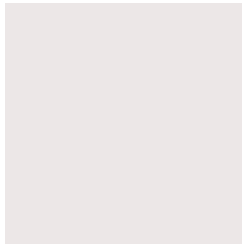
24.8506, 36.3481, 49.4491



1.9517, 2.8549, 3.8831

Previews

White Background



This preview shows how the XYZ color 77.5918, 80.7542, 87.0989 looks on a white background.

Color Contrast Check

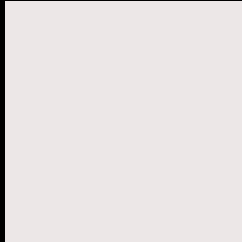
Large Text (above 18pt) WCAG AA × Fail

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 77.5918, 80.7542, 87.0989 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

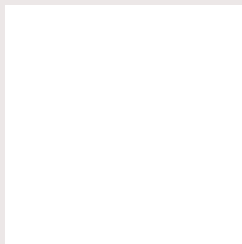
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.5918, 80.7542, 87.0989

Background



This preview shows how black text looks on a background with the XYZ color 77.5918, 80.7542, 87.0989.



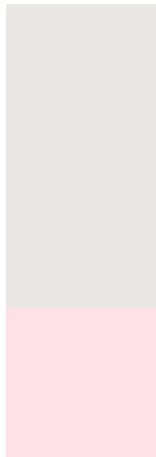
This preview shows how white text looks on a background with the XYZ color 77.5918, 80.7542,

87.0989.

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

77.5918, 80.7542, 87.0989

Protanopia

77.5918, 80.7542, 87.0989

Deuteranopia

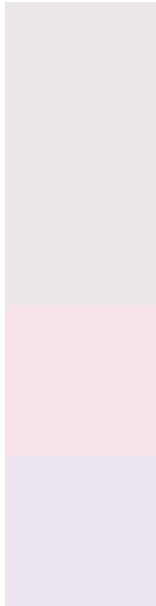
82.3638, 80.7475, 87.5887



Tritanopia

80.0677, 80.9312, 99.3969

Trichromacy



Original Color

77.5918, 80.7542, 87.0989

Protanomaly

77.5918, 80.7542, 87.0989

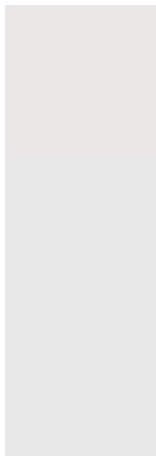
Deuteranomaly

80.3923, 80.5385, 87.6523

Tritanomaly

79.0991, 80.9490, 94.6748

Monochromacy



Original Color

77.5918, 80.7542, 87.0989

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 77.5918, 80.7542, 87.0989 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, 231) looks like.

```
.text, #text, p{  
    color:rgb(236, 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(236, 231, 231) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 77.5918, 80.7542, 87.0989 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, 231) }
```


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

```
.border{ border-color:rgb(236, 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(236, 231, 231)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 77.5918, 80.7542, 87.0989 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, 231) }
```

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

```
.background{ background-color: rgb(236,  
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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