

Converting Colors

XYZ(77.7681, 80.8947, 87.6654)

Have a look what the booklet for
XYZ(77.7681, 80.8947, 87.6654)
contains.

XYZ(77.7335, 80.8109, 87.8450)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.7335, 80.8109,
87.8450)**

Conversions

Conversions Part 1

Format	Color
Hex	ECE7E8
RGB	236, 231, 232
RGB Percent	93%, 91%, 91%
CMY	0.0745, 0.0941, 0.0902
CMYK	0.00, 0.02, 0.02, 0.07
HSL	348°, 12%, 92%
HSV	348°, 2%, 93%
XYZ	77.7335, 80.8109, 87.8450
YIQ	232.6090, 2.6590, 1.3710

Conversions

Conversions Part 2

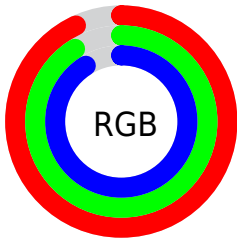
Format	Color
R _Y B	236, 231, 232
Decimal	15525864
CIE Lab	92.05, 1.86, 0.10
CIE LCh	92, 1.865, 3.132
Yxy	80.8109, 0.3155, 0.3280
Android (android.graphics.Color)	4293715944 (0xFFECE7E8)
YUV	232.6090, -0.3002, 2.9739
Hunter-Lab	89.8949, -2.9643, 4.9884

Details

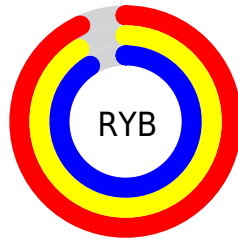
The XYZ color **77.7335, 80.8109, 87.8450** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.9489, 82.9801, 90.5099**, and the grayscale version is **77.1610, 81.1794, 88.4043**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9888, 43.4978, 47.2572** is the 20% darker color. If you saturate the color by 10%, you get **69.0275, 67.4650, 72.4056**, and if you desaturate by 10%, it is **87.6233, 96.0604, 105.1048**.

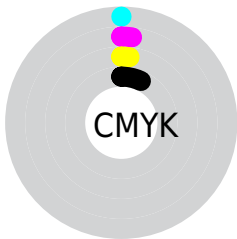
Distribution



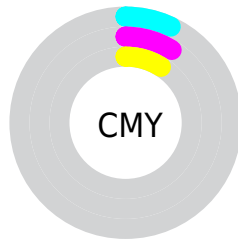
- Red (93%)
- Green (91%)
- Blue (91%)



- 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 77.7335, 80.8109, 87.8450 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 77.7335, 80.8109, 87.8450 by changing the saturation by 10% instead.

■ 77.7335, 80.8109,
87.8450

■ 77.7335, 80.8109,
87.8450

476.1150,
497.6614, 541.3837

■ 58.1571, 60.3859,
65.6311

129.1417,
134.5052, 146.2506

■ 42.1787, 43.7297,
47.5184

161.7043,
168.5433, 183.2794

■ 29.4330, 30.4581,
33.0884

199.3262,
207.8878, 226.0835

■ 19.5545, 20.1866,
21.9225

242.3730,
252.9232, 275.0815

■ 12.1780, 12.5307,
13.6022

291.2099,
304.0339, 330.6920

■ 6.9381, 7.1062,
7.7089

346.2023,

■ 3.4694, 3.5286,

361.6042, 393.3335

3.8242

407.7155,
426.0186, 463.4246

■ 1.4066, 1.4135,
1.5294

■ 0.2609, 0.2267,
0.2397

■ 77.7335, 80.8109,
87.8450

■ 77.7335, 80.8109,
87.8450

■ 69.0275, 67.4650,
72.4056

■ 87.6233, 96.0604,
105.1048

■ 61.4540, 55.9378,
58.7215

■ 88.4026, 96.5731,
108.5889

■ 54.9679, 46.1535,
46.7318

■ 49.5187, 38.0269,
36.3697

■ 45.0514, 31.4657,
27.5642

■ 41.5064, 26.3685,
20.2387

■ 38.8169, 22.6217,
14.3101

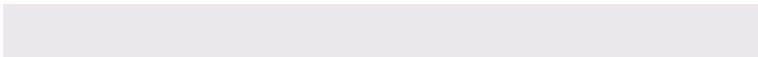
■ 36.9070, 20.0953,
9.6868

■ 35.6868, 18.6328,
6.2651

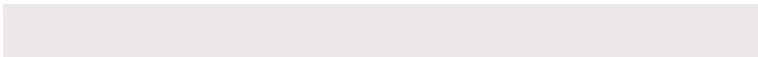
Harmonies

Analogous

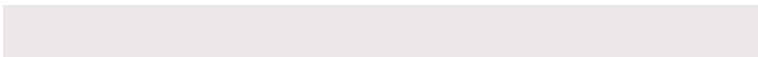
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6345, 80.8109, 89.1892



77.7335, 80.8109, 87.8450



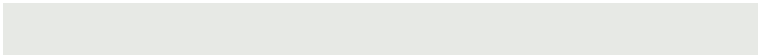
77.5837, 80.8109, 86.5526

Triad

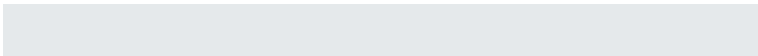
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.7335, 80.8109, 87.8450



76.3050, 80.8109, 85.7946



76.3920, 80.8109, 90.3681

Complementary

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



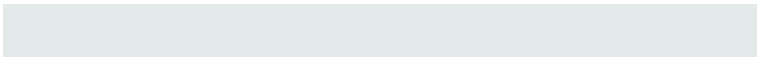
77.7335, 80.8109, 87.8450



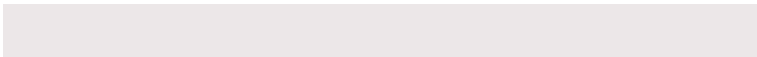
77.9489, 82.9801, 90.5099

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.



76.0381, 80.8109, 89.4418



77.7335, 80.8109, 87.8450



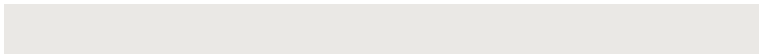
75.9880, 80.8109, 86.8003

Square

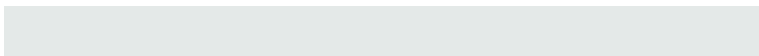
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



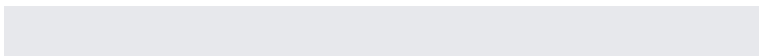
77.7335, 80.8109, 87.8450



76.7579, 80.8109, 85.3766



75.8905, 80.8109, 88.1338



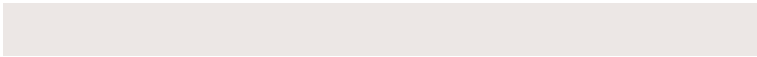
76.8588, 80.8109, 90.6548

Rectangle

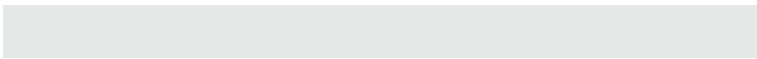
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



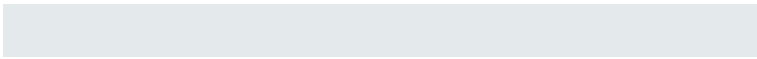
77.7335, 80.8109, 87.8450



77.3634, 80.8109, 85.8918



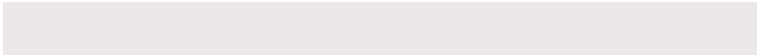
75.8905, 80.8109, 88.1338



76.2560, 80.8109, 90.1208

Sweetspot

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



77.7358, 80.8144, 87.8468



93.9149, 98.2530, 106.9086



77.9798, 80.8738, 90.8583



20.1136, 21.0486, 22.9039



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

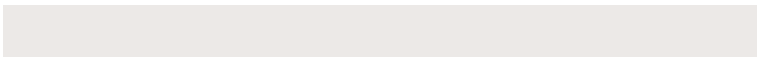
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7358, 80.8144, 87.8468



91.6873, 94.8276, 102.9916



78.0160, 81.6006, 87.2441



16.2493, 16.7302, 18.1565



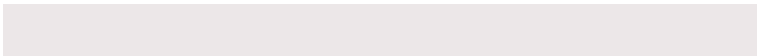
19.3877, 9.9578, 2.5768



1.5558, 0.7953, 0.3784

Inverse Universe

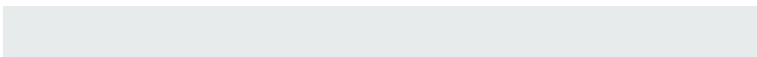
The Inverse Universe completely reimagines the original color for something new.



77.7358, 80.8144, 87.8468



91.6873, 94.8276, 102.9916



77.6635, 82.1784, 91.1268



16.2493, 16.7302, 18.1565



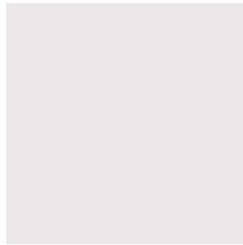
19.3877, 9.9578, 2.5768



1.5558, 0.7953, 0.3784

Previews

White Background



This preview shows how the XYZ color 77.7335, 80.8109, 87.8450 looks on a white background.

Color Contrast Check

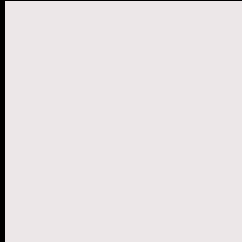
Large Text (above 18pt) WCAG AA × Fail

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 77.7335, 80.8109, 87.8450 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

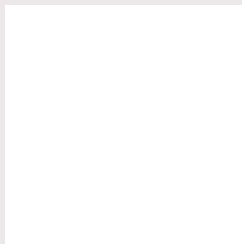
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.7335, 80.8109, 87.8450

Background



This preview shows how black text looks on a background with the XYZ color 77.7335, 80.8109, 87.8450.



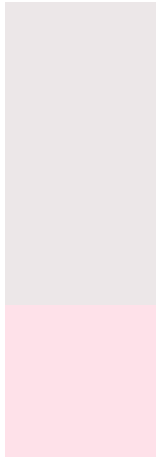
This preview shows how white text looks on a background with the XYZ color 77.7335, 80.8109,

87.8450.

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

77.7335, 80.8109, 87.8450

Protanopia

77.7335, 80.8109, 87.8450

Deuteranopia

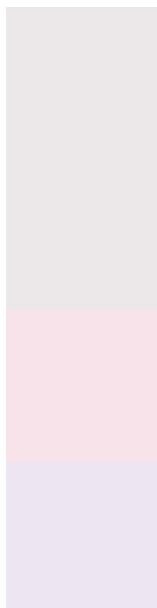
82.5062, 80.8045, 88.3391



Tritanopia

80.0677, 80.9312, 99.3969

Trichromacy



Original Color

77.7335, 80.8109, 87.8450

Protanomaly

77.7335, 80.8109, 87.8450

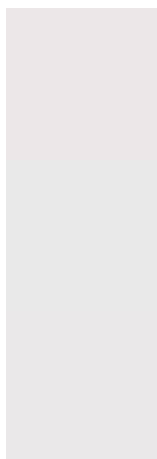
Deuteranomaly

80.5348, 80.5955, 88.4026

Tritanomaly

79.2489, 81.0090, 95.4638

Monochromacy



Original Color

77.7335, 80.8109, 87.8450

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 77.7335, 80.8109, 87.8450 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, 232) looks like.

```
.text, #text, p{  
    color:rgb(236, 231, 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(236, 231, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 231, 232) }
```

Border

The CSS property to change the border of an element to XYZ 77.7335, 80.8109, 87.8450 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, 232) }
```


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

```
.border{ border-color:rgb(236, 231, 232) }
```

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, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 231, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 231, 232);  
box-shadow:4px 4px 4px 4px rgb(236, 231,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7335, 80.8109, 87.8450 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, 232) }
```

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

```
.background{ background-color: rgb(236,  
231, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor