

Converting Colors

XYZ(77.6923, 83.2647, 87.1789)

Have a look what the booklet for
XYZ(77.6923, 83.2647, 87.1789)
contains.

XYZ(77.8458, 83.4373, 86.8650)	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(77.8458, 83.4373,
86.8650)**

Conversions

Conversions Part 1

Format	Color
Hex	E8EDE6
RGB	232, 237, 230
RGB Percent	91%, 93%, 90%
CMY	0.0902, 0.0706, 0.0980
CMYK	0.02, 0.00, 0.03, 0.07
HSL	103°, 16%, 92%
HSV	103°, 3%, 93%
XYZ	77.8458, 83.4373, 86.8650
YIQ	234.7070, -0.7330, -3.2370

Conversions

Conversions Part 2

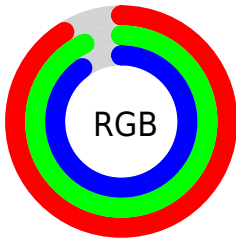
Format	Color
R _Y B	230, 237, 235
Decimal	15265254
CIE Lab	93.21, -2.90, 2.79
CIE LCh	93, 4.030, 136.113
Yxy	83.4373, 0.3137, 0.3362
Android (android.graphics.Color)	4293455334 (0xFFE8EDE6)
YUV	234.7070, -2.3206, -2.3740
Hunter-Lab	91.3440, -7.7296, 7.5581

Details

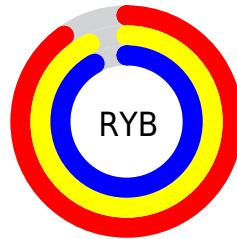
The XYZ color **77.8458, 83.4373, 86.8650** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.8470, 80.3725, 91.5354**, and the grayscale version is **78.7623, 82.8641, 90.2390**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1662, 45.3730, 47.0929** is the 20% darker color. If you saturate the color by 10%, you get **69.5073, 79.4998, 70.2661**, and if you desaturate by 10%, it is **87.1712, 87.8360, 105.8758**.

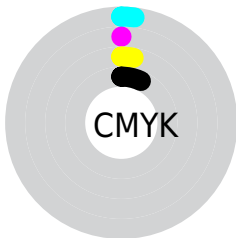
Distribution



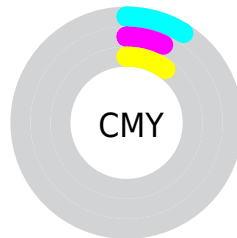
- Red (91%)
- Green (93%)
- Blue (90%)



- Red (90%)
- Yellow (93%)
- Blue (92%)



- Cyan (2%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.8458, 83.4373, 86.8650 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 77.8458, 83.4373, 86.8650 by changing the saturation by 10% instead.

■ 77.8458, 83.4373,
86.8650

■ 77.8458, 83.4373,
86.8650

476.4908,
506.4428, 538.0838

■ 58.2497, 62.5510,
64.8245

129.2992,
138.1878, 144.8732

■ 42.2534, 45.4780,
46.8683

161.8873,
172.8207, 181.6779

■ 29.4918, 31.8341,
32.5780

199.5366,
212.8046, 224.2412

■ 19.5993, 21.2348,
21.5349

242.6126,
258.5239, 272.9815

■ 12.2107, 13.2958,
13.3205

291.4807,
310.3630, 328.3173

■ 6.9605, 7.6325,
7.5163

346.5062,

■ 3.4835, 3.8607,

368.7062, 390.6673

3.7037

408.0545,
433.9380, 460.4500

■ 1.4143, 1.5960,
1.4643

■ 0.2664, 0.3549,
0.1911

■ 77.8458, 83.4373,
86.8650

■ 77.8458, 83.4373,
86.8650

■ 69.5073, 79.4998,
70.2661

■ 87.1712, 87.8360,
105.8758

■ 62.1157, 75.9979,
55.9773

■ 89.5758, 89.0516,
107.0753

■ 55.6384, 72.9194,
43.8978

■ 50.0382, 70.2475,
33.9172

■ 45.2753, 67.9643,
25.9155

■ 41.3065, 66.0504,
19.7607

■ 38.0844, 64.4847,
15.3046

■ 35.5559, 63.2434,
12.3763

■ 33.6593, 62.2993,
10.7689

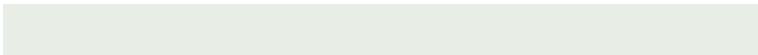
Harmonies

Analogous

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



78.7407, 83.4373, 85.3595



77.8458, 83.4373, 86.8650



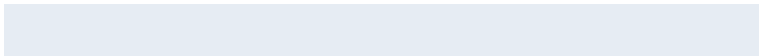
77.3438, 83.4373, 89.4562

Triad

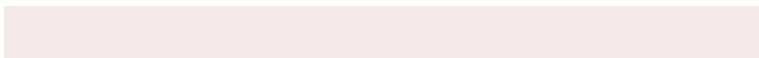
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8458, 83.4373, 86.8650



78.8168, 83.4373, 96.6301



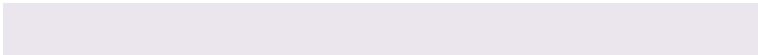
81.2775, 83.4373, 89.2398

Complementary

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



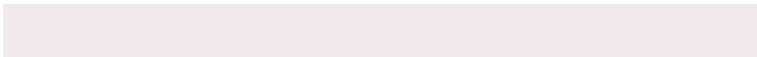
77.8458, 83.4373, 86.8650



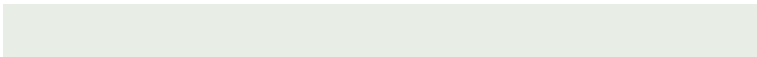
77.8470, 80.3725, 91.5354

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.



81.2983, 83.4373, 92.2563



77.8458, 83.4373, 86.8650



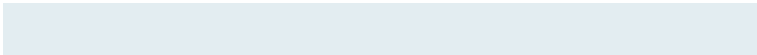
79.8712, 83.4373, 96.5690

Square

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



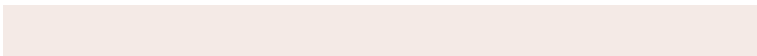
77.8458, 83.4373, 86.8650



77.9011, 83.4373, 95.1181



80.7816, 83.4373, 94.9531



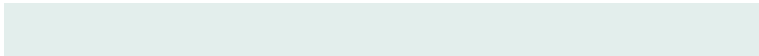
80.7250, 83.4373, 86.7096

Rectangle

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



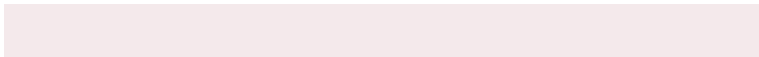
77.8458, 83.4373, 86.8650



77.2967, 83.4373, 91.4716



80.7816, 83.4373, 94.9531



81.3471, 83.4373, 90.2293

Sweetspot

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



77.8481, 83.4409, 86.8668



93.9750, 99.4929, 106.7208



78.8910, 83.0807, 86.7423



20.1259, 21.3009, 22.8656



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.



77.8481, 83.4409, 86.8668



90.8204, 98.0043, 100.3562



77.4002, 83.1871, 87.8770



16.1137, 17.4679, 17.6872



17.9346, 33.7901, 5.5769



1.5001, 2.7007, 0.4422

Inverse Universe

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



77.8470, 80.3725, 91.5354



90.8186, 93.1157, 107.7942



78.3071, 80.6332, 90.4927



16.1133, 16.4428, 19.2468



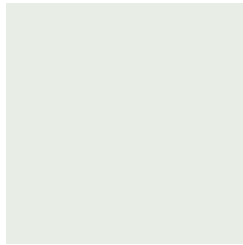
17.4529, 8.0332, 44.3737



1.4643, 0.6792, 3.4888

Previews

White Background



This preview shows how the XYZ color 77.8458, 83.4373, 86.8650 looks on a white background.

Color Contrast Check

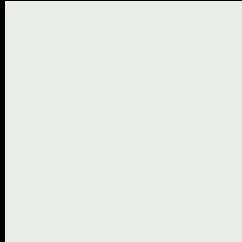
Large Text (above 18pt) WCAG AA × Fail

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 77.8458, 83.4373, 86.8650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

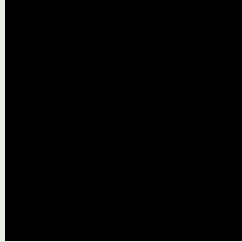
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

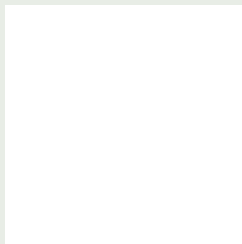
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.8458, 83.4373, 86.8650

Background



This preview shows how black text looks on a background with the XYZ color 77.8458, 83.4373, 86.8650.



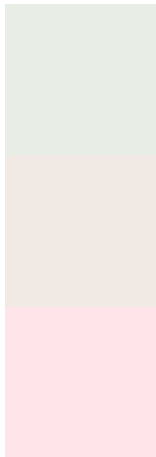
This preview shows how white text looks on a background with the XYZ color 77.8458, 83.4373,

86.8650.

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

77.8458, 83.4373, 86.8650

Protanopia

79.7020, 83.1478, 85.2472

Deuteranopia

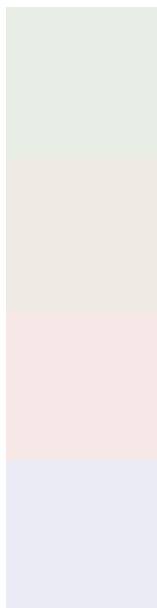
83.9673, 83.1818, 88.7209



Tritanopia

81.2545, 83.5361, 103.9370

Trichromacy



Original Color

77.8458, 83.4373, 86.8650

Protanomaly

79.1111, 83.2509, 86.0282

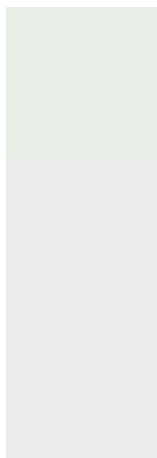
Deuteranomaly

81.7799, 83.3136, 88.1148

Tritanomaly

79.9691, 83.4407, 97.4788

Monochromacy



Original Color

77.8458, 83.4373, 86.8650

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.6351, 83.3665, 89.0376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.8458, 83.4373, 86.8650 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, 237, 230) looks like.

```
.text, #text, p{  
    color:rgb(232, 237, 230)  
}
```

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, 237, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 237, 230) }
```

Border

The CSS property to change the border of an element to XYZ 77.8458, 83.4373, 86.8650 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, 237, 230) }
```


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

```
.border{ border-color:rgb(232, 237, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 237, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 237, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 237, 230);  
box-shadow:4px 4px 4px 4px rgb(232, 237,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8458, 83.4373, 86.8650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 237, 230) }
```

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

```
.background{ background-color: rgb(232,  
237, 230) }
```

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