

Converting Colors

XYZ(77.6436, 82.8329, 87.5530)

Have a look what the booklet for
XYZ(77.6436, 82.8329, 87.5530)
contains.

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Color

**XYZ(77.6980, 82.9162,
87.5106)**

Conversions

Conversions Part 1

Format	Color
Hex	E8ECE7
RGB	232, 236, 231
RGB Percent	91%, 93%, 91%
CMY	0.0902, 0.0745, 0.0941
CMYK	0.02, 0.00, 0.02, 0.07
HSL	108°, 12%, 92%
HSV	108°, 2%, 93%
XYZ	77.6980, 82.9162, 87.5106
YIQ	234.2340, -0.7790, -2.4030

Conversions

Conversions Part 2

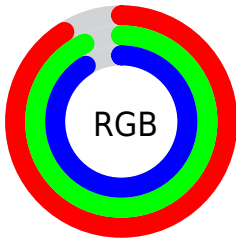
Format	Color
R _Y B	231, 236, 235
Decimal	15264999
CIE Lab	92.98, -2.22, 1.94
CIE LCh	93, 2.949, 138.797
Yxy	82.9162, 0.3131, 0.3342
Android (android.graphics.Color)	4293455079 (0xFFE8ECE7)
YUV	234.2340, -1.5944, -1.9592
Hunter-Lab	91.0583, -7.0421, 6.7608

Details

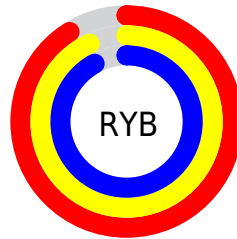
The XYZ color **77.6980, 82.9162, 87.5106** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.9802, 80.8723, 90.8610**, and the grayscale version is **78.3981, 82.4809, 89.8217**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9636, 44.9678, 47.0254** is the 20% darker color. If you saturate the color by 10%, you get **68.7834, 78.6825, 70.8509**, and if you desaturate by 10%, it is **87.7255, 87.6764, 106.5720**.

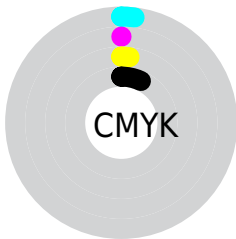
Distribution



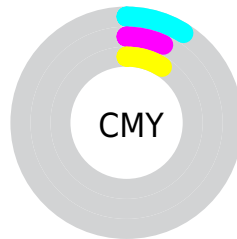
- Red (91%)
- Green (93%)
- Blue (91%)



- Red (91%)
- Yellow (93%)
- Blue (92%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6980, 82.9162, 87.5106 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 77.6980, 82.9162, 87.5106 by changing the saturation by 10% instead.

■ 77.6980, 82.9162,
87.5106

■ 77.6980, 82.9162,
87.5106

475.9961,
504.7072, 540.2589

■ 58.1278, 62.1210,
65.3558

129.0919,
137.4581, 145.7808

■ 42.1551, 45.1305,
47.2965

161.6464,
171.9736, 182.7332

■ 29.4144, 31.5602,
32.9141

199.2597,
211.8313, 225.4553

■ 19.5404, 21.0258,
21.7900

242.2972,
257.4157, 274.3655

■ 12.1677, 13.1429,
13.5059

291.1243,
309.1110, 329.8824

■ 6.9310, 7.5270,
7.6430

346.1062,

■ 3.4649, 3.7938,

367.3018, 392.4246

3.7829

407.6083,
432.3724, 462.4106

■ 1.4041, 1.5589,
1.5070

■ 0.2592, 0.3297,
0.2231

■ 77.6980, 82.9162,
87.5106

■ 77.6980, 82.9162,
87.5106

■ 68.7834, 78.6825,
70.8509

■ 87.7255, 87.6764,
106.5720

■ 60.9361, 74.9467,
56.4924

■ 89.2870, 88.4741,
106.9790

■ 54.1176, 71.6937,
44.3355

■ 48.2844, 68.9033,
34.2714

■ 43.3899, 66.5540,
26.1818

■ 39.3834, 64.6227,
19.9368

■ 36.2095, 63.0838,
15.3910

■ 33.8059, 61.9089,
12.3769

■ 32.1007, 61.0654,
10.6931

Harmonies

Analogous

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



78.3321, 82.9162, 86.3174



77.6980, 82.9162, 87.5106



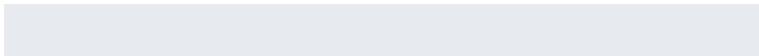
77.3625, 82.9162, 89.4584

Triad

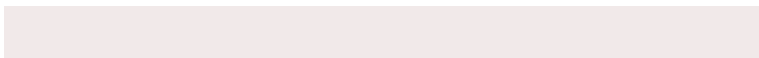
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6980, 82.9162, 87.5106



78.5214, 82.9162, 94.5156



80.2227, 82.9162, 88.9190

Complementary

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



77.6980, 82.9162, 87.5106



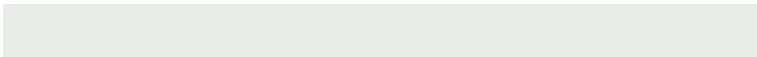
77.9802, 80.8723, 90.8610

Split Complementary

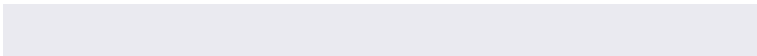
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.2742, 82.9162, 91.1100



77.6980, 82.9162, 87.5106



79.2885, 82.9162, 94.3655

Square

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



77.6980, 82.9162, 87.5106



77.8358, 82.9162, 93.5175



79.9313, 82.9162, 93.1106



79.7910, 82.9162, 87.1213

Rectangle

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



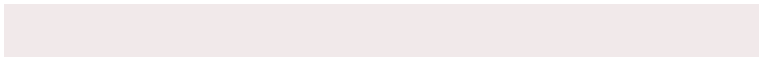
77.6980, 82.9162, 87.5106



77.3518, 82.9162, 90.9332



79.9313, 82.9162, 93.1106



80.2851, 82.9162, 89.6332

Sweetspot

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



77.7003, 82.9198, 87.5124



93.8954, 99.4519, 106.7171



78.7276, 83.0228, 87.4781



20.1097, 21.2926, 22.8649



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

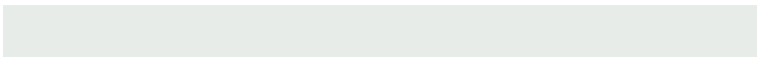
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7003, 82.9198, 87.5124



91.6263, 98.3745, 102.4381



77.5896, 82.8381, 88.6189



16.2354, 17.5231, 18.0339



17.2680, 33.4465, 5.5457



1.4324, 2.6658, 0.4390

Inverse Universe

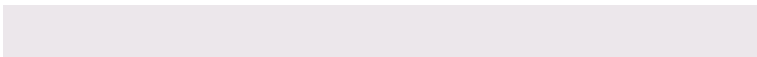
The Inverse Universe completely reimagines the original color for something new.



77.9802, 80.8723, 90.8610



92.0976, 94.9270, 108.0764



78.0941, 80.9561, 89.7324



16.3408, 16.7523, 19.2945



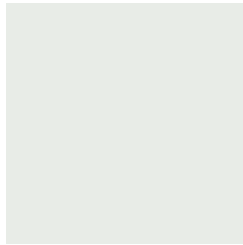
19.9991, 9.3458, 44.4928



1.6452, 0.7724, 3.4973

Previews

White Background



This preview shows how the XYZ color 77.6980, 82.9162, 87.5106 looks on a white background.

Color Contrast Check

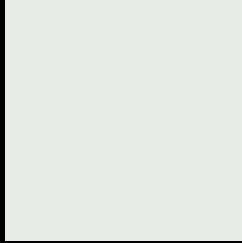
Large Text (above 18pt) WCAG AA × Fail

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 77.6980, 82.9162, 87.5106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

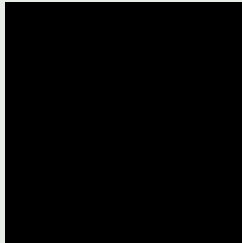
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

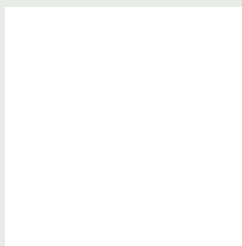
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.6980, 82.9162, 87.5106

Background



This preview shows how black text looks on a background with the XYZ color 77.6980, 82.9162, 87.5106.



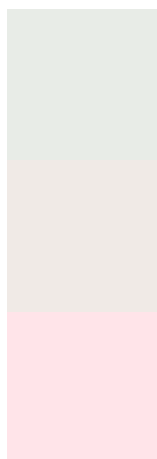
This preview shows how white text looks on a background with the XYZ color 77.6980, 82.9162,

87.5106.

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

77.6980, 82.9162, 87.5106

Protanopia

79.6409, 83.0841, 86.7022

Deuteranopia

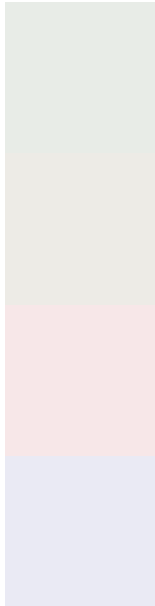
83.6914, 82.6300, 88.6290



Tritanopia

80.8124, 82.9050, 103.0098

Trichromacy



Original Color

77.6980, 82.9162, 87.5106

Protanomaly

78.9163, 83.1344, 86.7501

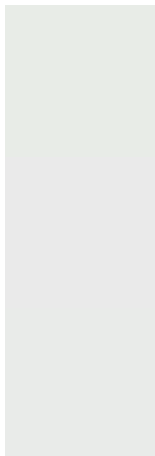
Deuteranomaly

81.4992, 82.7522, 88.0212

Tritanomaly

79.6836, 82.8697, 97.3836

Monochromacy



Original Color

77.6980, 82.9162, 87.5106

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.0206, 82.6235, 88.9266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6980, 82.9162, 87.5106 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, 236, 231) looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 77.6980, 82.9162, 87.5106 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, 236, 231) }
```


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

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

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

Here you see how a box with a 4 pixel `rgb(232, 236, 231)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 77.6980, 82.9162, 87.5106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 236, 231) }
```

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

```
.background{ background-color: rgb(232,  
236, 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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