

Converting Colors

XYZ(77.2667, 82.7389, 85.2826)

Have a look what the booklet for
XYZ(77.2667, 82.7389, 85.2826)
contains.

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Color

**XYZ(77.2778, 82.7481,
85.2978)**

Conversions

Conversions Part 1

Format	Color
Hex	E8ECE4
RGB	232, 236, 228
RGB Percent	91%, 93%, 89%
CMY	0.0902, 0.0745, 0.1059
CMYK	0.02, 0.00, 0.03, 0.07
HSL	90°, 17%, 91%
HSV	90°, 3%, 93%
XYZ	77.2778, 82.7481, 85.2978
YIQ	233.8920, 0.1840, -3.3360

Conversions

Conversions Part 2

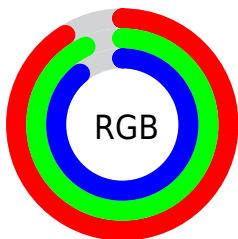
Format	Color
R _Y B	228, 236, 232
Decimal	15264996
CIE Lab	92.90, -2.75, 3.40
CIE LCh	93, 4.367, 128.950
Yxy	82.7481, 0.3150, 0.3373
Android (android.graphics.Color)	4293455076 (0xFFE8ECE4)
YUV	233.8920, -2.9048, -1.6593
Hunter-Lab	90.9660, -7.5504, 8.0806

Details

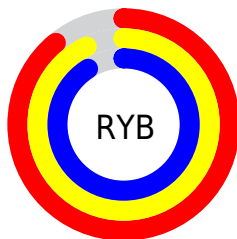
The XYZ color **77.2778, 82.7481, 85.2978** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.1655, 78.7009, 90.5375**, and the grayscale version is **78.1482, 82.2180, 89.5354**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7686, 44.8898, 45.9983** is the 20% darker color. If you saturate the color by 10%, you get **70.5188, 79.6192, 69.0306**, and if you desaturate by 10%, it is **84.7462, 86.1958, 103.9362**.

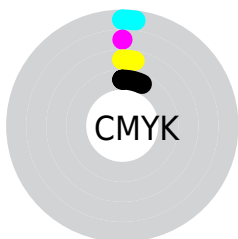
Distribution



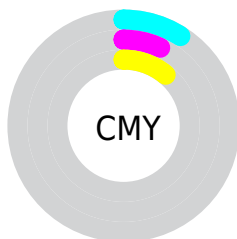
- Red (91%)
- Green (93%)
- Blue (89%)



- Red (89%)
- Yellow (93%)
- Blue (91%)



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



- Cyan (9%)
- Magenta (7%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2778, 82.7481, 85.2978 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 77.2778, 82.7481, 85.2978 by changing the saturation by 10% instead.

■ 77.2778, 82.7481,
85.2978

■ 77.2778, 82.7481,
85.2978

474.5881,
504.1466, 532.7832

■ 57.7816, 61.9824,
63.5359

128.5023,
137.2226, 142.6670

■ 41.8757, 45.0185,
45.8311

160.9614,
171.7002, 179.1114

■ 29.1946, 31.4720,
31.7649

198.4721,
211.5171, 221.2871

■ 19.3731, 20.9585,
20.9186

241.3998,
257.0578, 269.6126

■ 12.0458, 13.0937,
12.8739

290.1099,
308.7068, 324.5064

■ 6.8473, 7.4931,
7.2120

344.9678,

■ 3.4123, 3.7723,

366.8483, 386.3871

3.5146

406.3387,
431.8668, 455.6732

■ 1.3753, 1.5470,
1.3630

■ 0.2386, 0.3215,
0.1126

■ 77.2778, 82.7481,
85.2978

■ 77.2778, 82.7481,
85.2978

■ 70.5188, 79.6192,
69.0306

■ 84.7462, 86.1958,
103.9362

■ 64.4393, 76.7886,
55.0342

■ 89.2870, 88.4740,
106.9790

■ 59.0172, 74.2495,
43.2090

■ 54.2264, 71.9909,
33.4457

■ 50.0390, 70.0010,
25.6258

■ 46.4245, 68.2668,
19.6185

■ 43.3491, 66.7743,
15.2771

■ 40.7744, 65.5073,
12.4318

■ 38.6549, 64.4469,
10.8767

Harmonies

Analogous

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



78.3086, 82.7481, 84.0306



77.2778, 82.7481, 85.2978



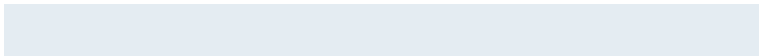
76.6188, 82.7481, 87.8596

Triad

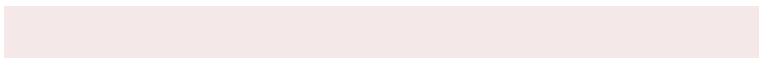
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.2778, 82.7481, 85.2978



77.8638, 82.7481, 96.0935



80.8378, 82.7481, 89.1242

Complementary

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



77.2778, 82.7481, 85.2978



76.1655, 78.7009, 90.5375

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.



80.7159, 82.7481, 92.3754



77.2778, 82.7481, 85.2978



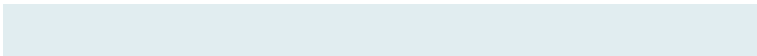
78.9916, 82.7481, 96.4520

Square

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



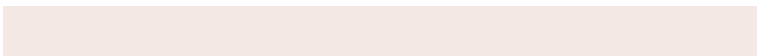
77.2778, 82.7481, 85.2978



76.9549, 82.7481, 94.1084



80.0375, 82.7481, 95.0763



80.3690, 82.7481, 86.2043

Rectangle

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



77.2778, 82.7481, 85.2978



76.4754, 82.7481, 89.9835



80.0375, 82.7481, 95.0763



80.8646, 82.7481, 90.2138

Sweetspot

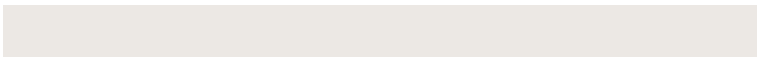
The Sweet Spot groups the original color and five complimentary colors.



77.2801, 82.7517, 85.2996



94.1744, 99.5957, 106.7302



77.4553, 81.1506, 84.9813



20.1664, 21.3218, 22.8675



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

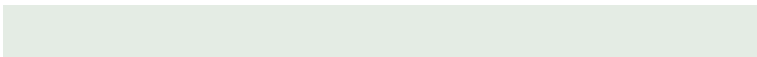
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2801, 82.7517, 85.2996



91.5986, 98.4054, 100.3926



75.9963, 82.0898, 85.2395



16.2767, 17.5519, 17.6948



20.7976, 35.2660, 5.7109



1.7441, 2.8264, 0.4536

Inverse Universe

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



76.1655, 78.7009, 90.5375



90.0313, 92.7098, 107.7574



77.4789, 79.3780, 90.5989



15.9481, 16.3577, 19.2390



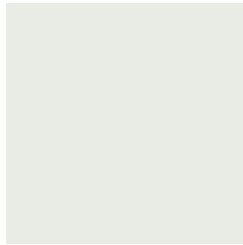
12.6174, 5.5405, 44.1474



1.1017, 0.4923, 3.4718

Previews

White Background



This preview shows how the XYZ color 77.2778, 82.7481, 85.2978 looks on a white background.

Color Contrast Check

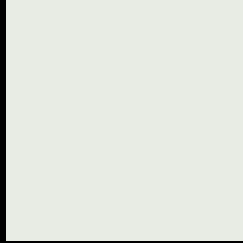
Large Text (above 18pt) WCAG AA × Fail

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 77.2778, 82.7481, 85.2978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

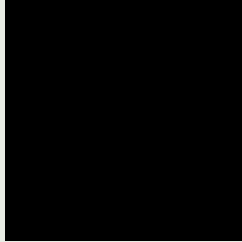
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

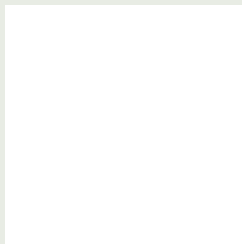
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2778, 82.7481, 85.2978

Background



This preview shows how black text looks on a background with the XYZ color 77.2778, 82.7481, 85.2978.



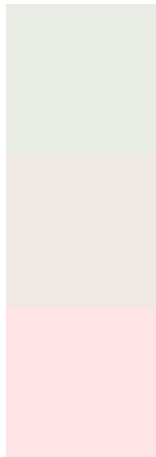
This preview shows how white text looks on a background with the XYZ color 77.2778, 82.7481,

85.2978.

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

77.2778, 82.7481, 85.2978

Protanopia

78.9392, 82.3491, 84.4075

Deuteranopia

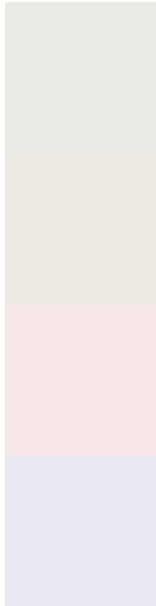
83.4072, 82.5163, 87.1325



Tritanopia

81.1436, 83.0757, 103.0253

Trichromacy



Original Color

77.2778, 82.7481, 85.2978

Protanomaly

78.2130, 82.3962, 84.4548

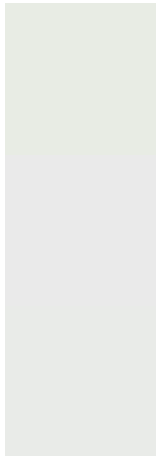
Deuteranomaly

81.2166, 82.6392, 86.5333

Tritanomaly

79.8614, 82.9789, 96.6014

Monochromacy



Original Color

77.2778, 82.7481, 85.2978

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.8781, 82.5665, 88.1762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2778, 82.7481, 85.2978 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, 228) looks like.

```
.text, #text, p{  
    color:rgb(232, 236, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 236, 228) }
```

Border

The CSS property to change the border of an element to XYZ 77.2778, 82.7481, 85.2978 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, 228) }
```


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

```
.border{ border-color:rgb(232, 236, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 236, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 236, 228);  
box-shadow:4px 4px 4px 4px rgb(232, 236,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2778, 82.7481, 85.2978 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, 228) }
```

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

```
.background{ background-color: rgb(232,  
236, 228) }
```

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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