

Converting Colors

XYZ(77.1085, 85.2715, 88.7089)

Have a look what the booklet for
XYZ(77.1085, 85.2715, 88.7089)
contains.

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Color

**XYZ(77.0581, 85.1778,
88.7235)**

Conversions

Conversions Part 1

Format	Color
Hex	E0F2E8
RGB	224, 242, 232
RGB Percent	88%, 95%, 91%
CMY	0.1216, 0.0510, 0.0902
CMYK	0.07, 0.00, 0.04, 0.05
HSL	147°, 41%, 91%
HSV	147°, 7%, 95%
XYZ	77.0581, 85.1778, 88.7235
YIQ	235.4780, -7.5180, -6.9260

Conversions

Conversions Part 2

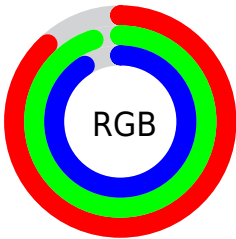
Format	Color
R_{YB}	224, 236, 242
Decimal	14742248
CIE Lab	93.96, -7.74, 2.78
CIE LCh	94, 8.222, 160.237
Yxy	85.1778, 0.3071, 0.3394
Android (android.graphics.Color)	4292932328 (0xFFE0F2E8)
YUV	235.4780, -1.7147, -10.0662
Hunter-Lab	92.2918, -12.4740, 7.6066

Details

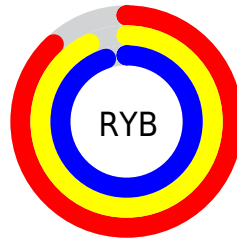
The XYZ color **77.0581, 85.1778, 88.7235** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.1280, 78.1312, 88.8090**, and the grayscale version is **79.3487, 83.4811, 90.9109**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7576, 46.6874, 47.8850** is the 20% darker color. If you saturate the color by 10%, you get **68.2477, 80.8506, 78.7197**, and if you desaturate by 10%, it is **87.0869, 90.1210, 99.5509**.

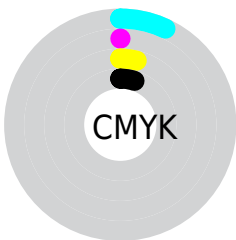
Distribution



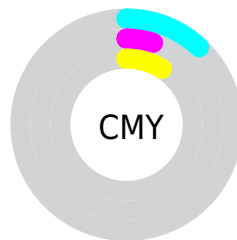
- Red (88%)
- Green (95%)
- Blue (91%)



- Red (88%)
- Yellow (93%)
- Blue (95%)



- Cyan (7%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)



- Cyan (12%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0581, 85.1778, 88.7235 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 77.0581, 85.1778, 88.7235 by changing the saturation by 10% instead.

77.0581, 85.1778,
88.7235

77.0581, 85.1778,
88.7235

473.8510,
512.2162, 544.3322

57.6007, 63.9883,
66.3547

128.1939,
140.6216, 147.4840

41.7297, 46.6412,
48.1021

160.6030,
175.6446, 184.7127

29.0799, 32.7521,
33.5472

198.0599,
216.0476, 227.7319

19.2858, 21.9366,
22.2714

240.9302,
262.2150, 276.9599

11.9822, 13.8103,
13.8562

289.5791,
314.5312, 332.8154

6.8037, 7.9889,
7.8831

344.3719,

3.3849, 4.0878,

373.3805, 395.7170

3.9336

405.6741,
439.1474, 466.0831

■ 1.3604, 1.7228,
1.5890

■ 0.2278, 0.4384,
0.2829

■ 77.0581, 85.1778,
88.7235

■ 77.0581, 85.1778,
88.7235

■ 68.2477, 80.8506,
78.7197

■ 87.0869, 90.1210,
99.5509

■ 60.6006, 77.1042,
69.5145

■ 91.0438, 91.9876,
107.5646

■ 54.0675, 73.9160,
61.0900

■ 48.5933, 71.2579,
53.4253

■ 44.1175, 69.0992,
46.4985

■ 40.5734, 67.4060,
40.2869

■ 37.8857, 66.1398,
34.7662

■ 35.9660, 65.2557,
29.9104

■ 34.6995, 64.6948,
25.6915

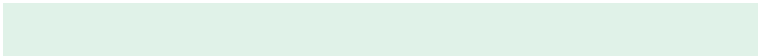
Harmonies

Analogous

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



78.2677, 85.1778, 83.8341



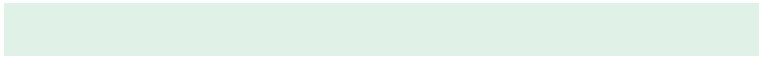
77.0581, 85.1778, 88.7235



76.8830, 85.1778, 94.9052

Triad

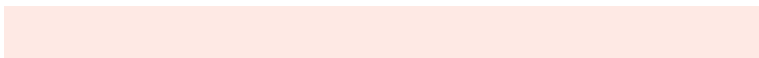
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.0581, 85.1778, 88.7235



81.7101, 85.1778, 105.1329



84.2182, 85.1778, 85.1659

Complementary

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



77.0581, 85.1778, 88.7235



78.1280, 78.1312, 88.8090

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.



85.1765, 85.1778, 90.6161



77.0581, 85.1778, 88.7235



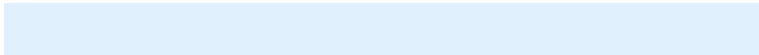
83.7112, 85.1778, 102.2641

Square

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



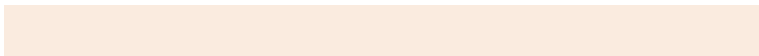
77.0581, 85.1778, 88.7235



79.5426, 85.1778, 104.5701



84.9893, 85.1778, 96.8845



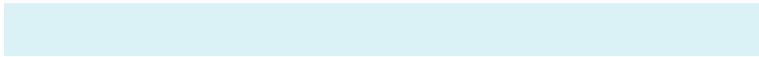
82.3920, 85.1778, 81.8452

Rectangle

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



77.0581, 85.1778, 88.7235



77.3731, 85.1778, 98.9544



84.9893, 85.1778, 96.8845



84.6539, 85.1778, 86.7993

Sweetspot

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



77.0605, 85.1814, 88.7254



92.7456, 98.8643, 106.4281



79.2072, 86.4164, 83.0275



19.8755, 21.1729, 22.8060



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.



77.0605, 85.1814, 88.7254



85.1192, 95.1099, 98.0716



78.3429, 85.6944, 95.4783



15.8578, 17.7731, 18.2739



18.5647, 34.7179, 13.6226



1.5937, 2.9079, 1.3929

Inverse Universe

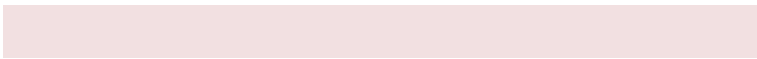
The Inverse Universe completely reimagines the original color for something new.



78.1280, 78.1312, 88.8090



86.5619, 85.5819, 98.1845



76.8941, 77.6377, 82.3114



16.1405, 15.9059, 18.2960



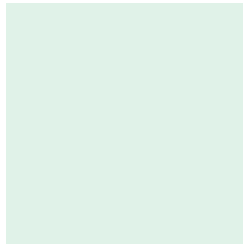
22.0706, 11.1007, 13.5541



1.8861, 0.9435, 1.3909

Previews

White Background



This preview shows how the XYZ color 77.0581, 85.1778, 88.7235 looks on a white background.

Color Contrast Check

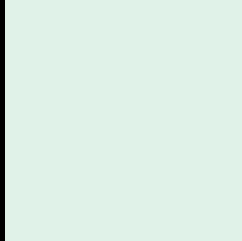
Large Text (above 18pt) WCAG AA × Fail

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 77.0581, 85.1778, 88.7235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

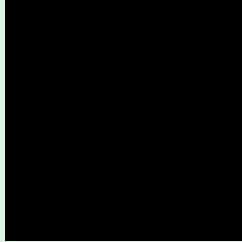
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

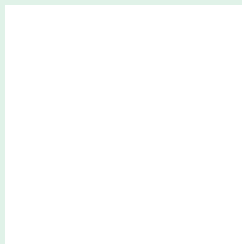
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.0581, 85.1778, 88.7235

Background



This preview shows how black text looks on a background with the XYZ color 77.0581, 85.1778, 88.7235.



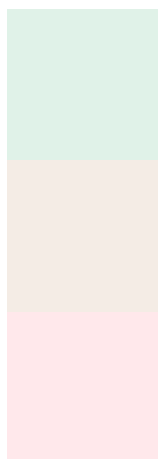
This preview shows how white text looks on a background with the XYZ color 77.0581, 85.1778,

88.7235.

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

77.0581, 85.1778, 88.7235

Protanopia

81.4465, 84.8811, 86.2197

Deuteranopia

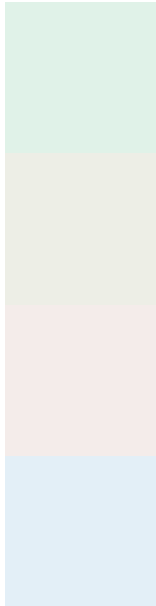
85.0920, 84.9714, 90.5135



Tritanopia

80.9376, 85.0271, 106.7537

Trichromacy



Original Color

77.0581, 85.1778, 88.7235

Protanomaly

79.7825, 84.8668, 87.0388

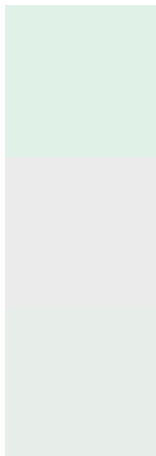
Deuteranomaly

82.1550, 85.1645, 89.9503

Tritanomaly

79.3336, 84.7793, 100.1784

Monochromacy



Original Color

77.0581, 85.1778, 88.7235

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.3808, 84.0785, 89.9396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0581, 85.1778, 88.7235 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(224, 242, 232) looks like.

```
.text, #text, p{  
    color:rgb(224, 242, 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(224, 242, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 242, 232) }
```

Border

The CSS property to change the border of an element to XYZ 77.0581, 85.1778, 88.7235 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(224, 242, 232) }
```


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

```
.border{ border-color:rgb(224, 242, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 242, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 242, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 242, 232);  
box-shadow:4px 4px 4px 4px rgb(224, 242,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0581, 85.1778, 88.7235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 242, 232) }
```

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

```
.background{ background-color: rgb(224,  
242, 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](#).

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