

Converting Colors

XYZ(78.0531, 85.4771, 86.5897)

Have a look what the booklet for
XYZ(78.0531, 85.4771, 86.5897)
contains.

XYZ(77.9113, 85.2258, 86.4726)	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(77.9113, 85.2258,
86.4726)**

Conversions

Conversions Part 1

Format	Color
Hex	E5F1E5
RGB	229, 241, 229
RGB Percent	90%, 95%, 90%
CMY	0.1020, 0.0549, 0.1020
CMYK	0.05, 0.00, 0.05, 0.05
HSL	120°, 30%, 92%
HSV	120°, 5%, 95%
XYZ	77.9113, 85.2258, 86.4726
YIQ	236.0440, -3.3000, -6.2760

Conversions

Conversions Part 2

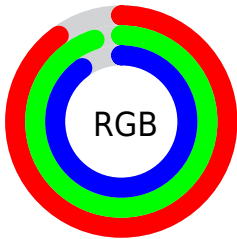
Format	Color
R_{YB}	229, 241, 241
Decimal	15069669
CIE _{Lab}	93.98, -6.11, 4.41
CIE _{LCh}	94, 7.537, 144.197
Yxy	85.2258, 0.3121, 0.3414
Android (android.graphics.Color)	4293259749 (0xFFE5F1E5)
YUV	236.0440, -3.4727, -6.1776
Hunter-Lab	92.3178, -10.9117, 9.0865

Details

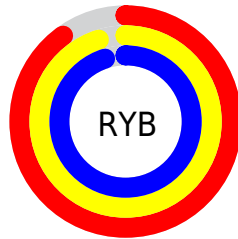
The XYZ color **77.9113, 85.2258, 86.4726** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **80.1753, 81.0925, 94.6501**, and the grayscale version is **79.7921, 83.9476, 91.4189**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4445, 46.7526, 46.8315** is the 20% darker color. If you saturate the color by 10%, you get **67.6141, 80.2820, 69.6276**, and if you desaturate by 10%, it is **89.7481, 90.9141, 105.8317**.

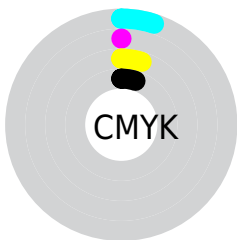
Distribution



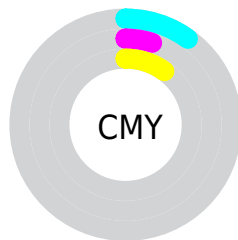
- Red (90%)
- Green (95%)
- Blue (90%)



- Red (90%)
- Yellow (95%)
- Blue (95%)



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



- Cyan (10%)
- Magenta (5%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9113, 85.2258, 86.4726 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 77.9113, 85.2258, 86.4726 by changing the saturation by 10% instead.

77.9113, 85.2258,
86.4726

77.9113, 85.2258,
86.4726

476.7100,
512.3749, 536.7594

58.3036, 64.0280,
64.5017

129.3911,
140.6886, 144.3212

42.2970, 46.6733,
46.6084

161.9940,
175.7224, 181.0360

29.5261, 32.7775,
32.3740

199.6593,
216.1369, 223.5024

19.6254, 21.9560,
21.3802

242.7524,
262.3166, 272.1392

12.2297, 13.8246,
13.2082

291.6387,
314.6459, 327.3647

6.9736, 7.9988,
7.4397

346.6834,

3.4918, 4.0942,

373.5091, 389.5975

3.6560

408.2521,
439.2906, 459.2563

■ 1.4189, 1.7264,
1.4386

■ 0.2696, 0.4406,
0.1715

■ 77.9113, 85.2258,
86.4726

■ 77.9113, 85.2258,
86.4726

■ 67.6141, 80.2820,
69.6276

■ 89.7481, 90.9141,
105.8317

■ 58.7864, 76.0416,
55.1883

■ 90.7470, 91.3939,
107.4657

■ 51.3634, 72.4760,
43.0467

■ 45.2728, 69.5504,
33.0844

■ 40.4356, 67.2268,
25.1723

■ 36.7648, 65.4636,
19.1679

■ 34.1620, 64.2133,
14.9105

■ 32.5129, 63.4212,
12.2130

■ 31.6769, 63.0196,
10.8455

Harmonies

Analogous

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



79.4313, 85.2258, 83.0649



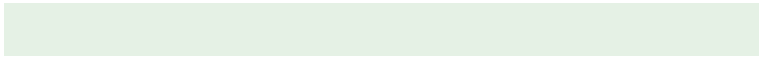
77.9113, 85.2258, 86.4726



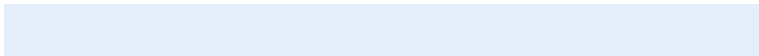
77.2212, 85.2258, 91.6820

Triad

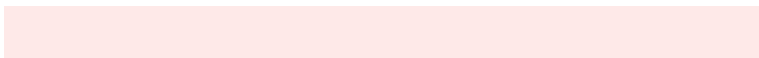
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.9113, 85.2258, 86.4726



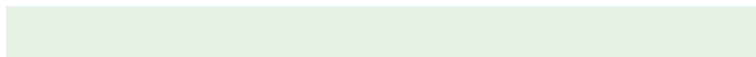
80.6145, 85.2258, 104.2458



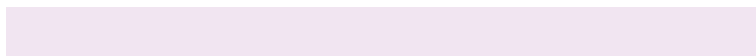
84.5801, 85.2258, 88.3347

Complementary

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



77.9113, 85.2258, 86.4726



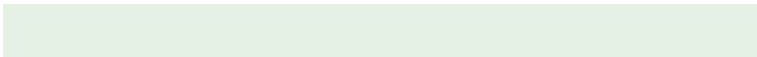
80.1753, 81.0925, 94.6501

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.



84.9095, 85.2258, 93.9198



77.9113, 85.2258, 86.4726



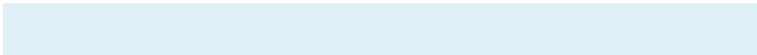
82.5985, 85.2258, 103.2597

Square

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



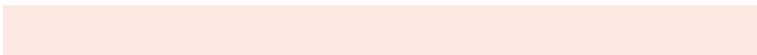
77.9113, 85.2258, 86.4726



78.7653, 85.2258, 102.0629



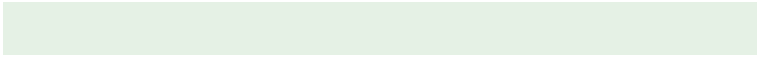
84.1786, 85.2258, 99.4212



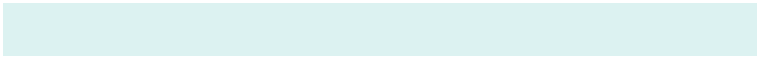
83.2859, 85.2258, 84.1085

Rectangle

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



77.9113, 85.2258, 86.4726



77.3164, 85.2258, 95.5366



84.1786, 85.2258, 99.4212



84.8082, 85.2258, 90.1091

Sweetspot

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



77.9137, 85.2295, 86.4745



93.7102, 99.3564, 106.7085



81.8776, 87.2729, 86.6599



20.0720, 21.2731, 22.8631



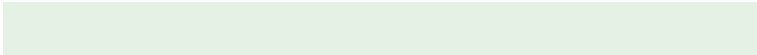
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



77.9137, 85.2295, 86.4745



87.2771, 96.2663, 96.1860



78.7665, 85.5706, 90.9653



16.2068, 17.9642, 17.7855



17.0575, 34.1150, 5.6859



1.4190, 2.8381, 0.4730

Inverse Universe

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



80.1753, 81.0925, 94.6501



90.3618, 90.6237, 107.3371



79.2932, 80.7396, 90.0051



16.8408, 16.8044, 20.0775



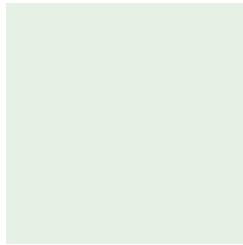
28.2811, 13.5849, 46.2582



2.3527, 1.1301, 3.8483

Previews

White Background



This preview shows how the XYZ color 77.9113, 85.2258, 86.4726 looks on a white background.

Color Contrast Check

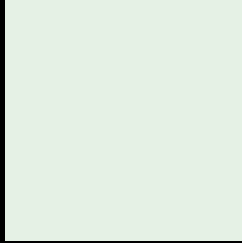
Large Text (above 18pt) WCAG AA × Fail

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 77.9113, 85.2258, 86.4726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

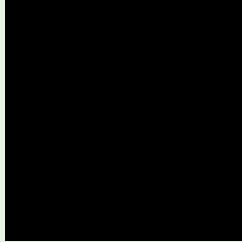
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

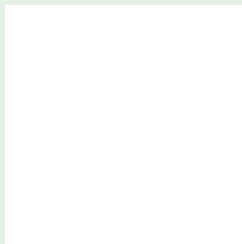
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.9113, 85.2258, 86.4726

Background



This preview shows how black text looks on a background with the XYZ color 77.9113, 85.2258, 86.4726.



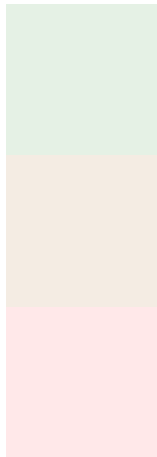
This preview shows how white text looks on a background with the XYZ color 77.9113, 85.2258,

86.4726.

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

77.9113, 85.2258, 86.4726

Protanopia

81.1688, 84.7701, 84.7572

Deuteranopia

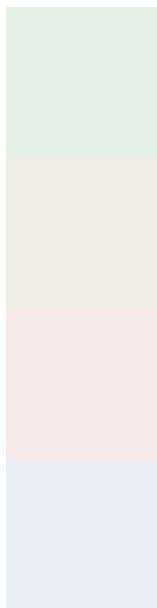
84.8046, 84.8564, 89.0000



Tritanopia

81.9385, 85.1120, 106.7174

Trichromacy



Original Color

77.9113, 85.2258, 86.4726

Protanomaly

80.1747, 85.1012, 85.5993

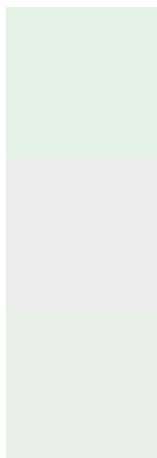
Deuteranomaly

82.2799, 84.8357, 88.3822

Tritanomaly

80.4878, 84.9587, 99.3453

Monochromacy



Original Color

77.9113, 85.2258, 86.4726

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

78.8868, 84.3559, 89.2153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9113, 85.2258, 86.4726 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(229, 241, 229) looks like.

```
.text, #text, p{  
    color:rgb(229, 241, 229)  
}
```

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(229, 241, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 241, 229) }
```

Border

The CSS property to change the border of an element to XYZ 77.9113, 85.2258, 86.4726 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(229, 241, 229) }
```


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

```
.border{ border-color:rgb(229, 241, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 241, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 241, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 241, 229);  
box-shadow:4px 4px 4px 4px rgb(229, 241,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9113, 85.2258, 86.4726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 241, 229) }
```

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

```
.background{ background-color: rgb(229,  
241, 229) }
```

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