

Converting Colors

XYZ(78.5947, 86.8585, 88.9669)

Have a look what the booklet for
XYZ(78.5947, 86.8585, 88.9669)
contains.

XYZ(78.5947, 86.8585, 88.9669)	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(78.5947, 86.8585,
88.9669)**

Conversions

Conversions Part 1

Format	Color
Hex	E3F4E8
RGB	227, 244, 232
RGB Percent	89%, 96%, 91%
CMY	0.1098, 0.0431, 0.0902
CMYK	0.07, 0.00, 0.05, 0.04
HSL	138°, 44%, 92%
HSV	138°, 7%, 96%
XYZ	78.5947, 86.8585, 88.9669
YIQ	237.5490, -6.2800, -7.3360

Conversions

Conversions Part 2

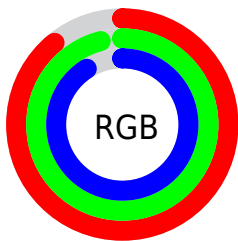
Format	Color
R _Y B	227, 240, 244
Decimal	14939368
CIE Lab	94.68, -7.76, 3.85
CIE LCh	95, 8.659, 153.612
Yxy	86.8585, 0.3089, 0.3414
Android (android.graphics.Color)	4293129448 (0xFFE3F4E8)
YUV	237.5490, -2.7357, -9.2515
Hunter-Lab	93.1979, -12.5656, 8.6402

Details

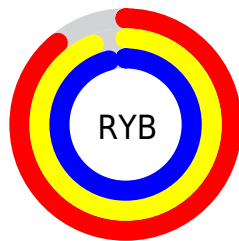
The XYZ color **78.5947, 86.8585, 88.9669** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.3604, 80.4054, 92.9498**, and the grayscale version is **80.9455, 85.1609, 92.7402**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8330, 47.8717, 48.0569** is the 20% darker color. If you saturate the color by 10%, you get **69.1095, 82.2401, 76.3710**, and if you desaturate by 10%, it is **89.4154, 92.1425, 102.8809**.

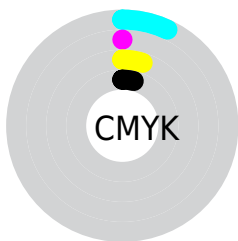
Distribution



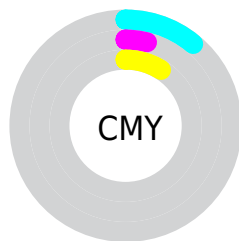
- Red (89%)
- Green (96%)
- Blue (91%)



- Red (89%)
- Yellow (94%)
- Blue (96%)



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



- Cyan (11%)
- Magenta (4%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.5947, 86.8585, 88.9669 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 78.5947, 86.8585, 88.9669 by changing the saturation by 10% instead.

78.5947, 86.8585,
88.9669

78.5947, 86.8585,
88.9669

478.9931,
517.7578, 545.1476

58.8671, 65.3781,
66.5552

130.3491,
142.9669, 147.8255

42.7521, 47.7677,
48.2639

163.1065,
178.3637, 185.1095

29.8843, 33.6430,
33.6745

200.9380,
219.1681, 228.1880

19.8985, 22.6195,
22.3683

244.2089,
265.7645, 277.4796

12.4291, 14.3128,
13.9269

293.2845,
318.5372, 333.4029

7.1109, 8.3385,
7.9317

348.5302,

3.5785, 4.3123,

377.8708, 396.3762

3.9641

410.3112,
444.1495, 466.8183

■ 1.4666, 1.8498,
1.6057

■ 0.3029, 0.5179,
0.2949

■ 78.5947, 86.8585,
88.9669

■ 78.5947, 86.8585,
88.9669

■ 69.1095, 82.2401,
76.3710

■ 89.4154, 92.1425,
102.8809

■ 60.8998, 78.2500,
65.0491

■ 91.6424, 93.1848,
107.7641

■ 53.9122, 74.8638,
54.9630

■ 48.0863, 72.0512,
46.0705

■ 43.3565, 69.7794,
38.3270

■ 39.6506, 68.0121,
31.6850

■ 36.8870, 66.7083,
26.0938

■ 34.9711, 65.8204,
21.4982

■ 33.7836, 65.2880,
17.8377

Harmonies

Analogous

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



80.0929, 86.8585, 84.2527



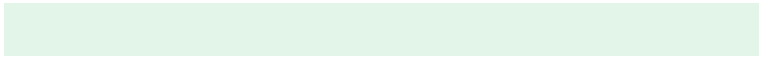
78.5947, 86.8585, 88.9669



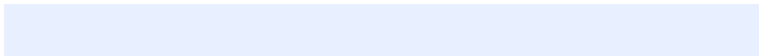
78.1509, 86.8585, 95.3874

Triad

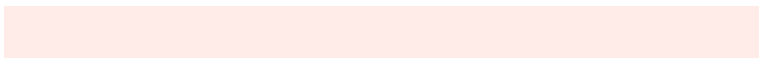
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.5947, 86.8585, 88.9669



82.8399, 86.8585, 108.0131



86.3569, 86.8585, 87.6251

Complementary

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



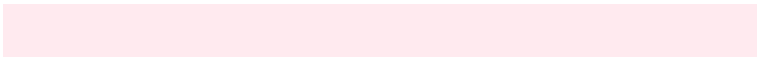
78.5947, 86.8585, 88.9669



80.3604, 80.4054, 92.9498

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.



87.1244, 86.8585, 93.7655



78.5947, 86.8585, 88.9669



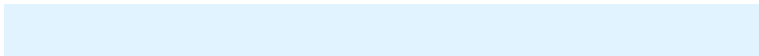
85.0699, 86.8585, 105.7059

Square

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



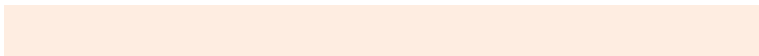
78.5947, 86.8585, 88.9669



80.5746, 86.8585, 106.5818



86.6490, 86.8585, 100.4122



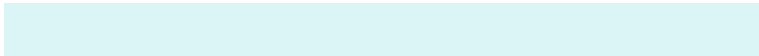
84.5705, 86.8585, 83.5041

Rectangle

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



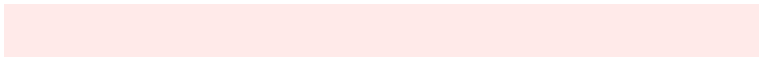
78.5947, 86.8585, 88.9669



78.5056, 86.8585, 99.8249



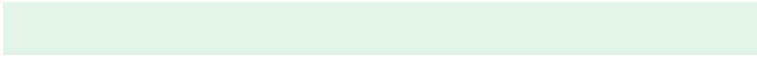
86.6490, 86.8585, 100.4122



86.7442, 86.8585, 89.5108

Sweetspot

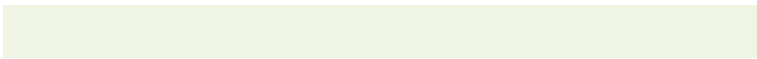
The Sweet Spot groups the original color and five complimentary colors.



78.5971, 86.8622, 88.9688



92.6242, 98.8158, 105.7890



81.8778, 88.6343, 85.4668



19.8508, 21.1631, 22.6759



0.0000, 0.0000, 0.0000



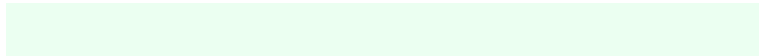
20.3446, 21.4041, 23.3091

Same Dimension

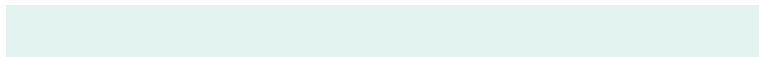
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.5971, 86.8622, 88.9688



85.7063, 95.4411, 96.8101



79.8074, 87.3463, 95.3419



16.4827, 18.5522, 18.5601



18.2739, 35.4544, 9.4621



1.6492, 3.1333, 1.0584

Inverse Universe

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



80.3604, 80.4054, 92.9498



87.9330, 87.2875, 101.8370



79.1591, 79.9248, 86.6237



16.9938, 16.6804, 19.7140



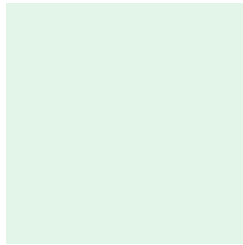
24.4108, 12.1077, 22.6692



2.1903, 1.0821, 2.2283

Previews

White Background



This preview shows how the XYZ color 78.5947, 86.8585, 88.9669 looks on a white background.

Color Contrast Check

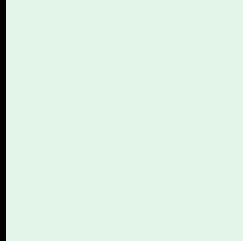
Large Text (above 18pt) WCAG AA × Fail

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 78.5947, 86.8585, 88.9669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

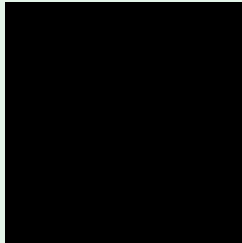
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

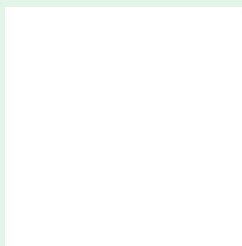
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.5947, 86.8585, 88.9669

Background



This preview shows how black text looks on a background with the XYZ color 78.5947, 86.8585, 88.9669.



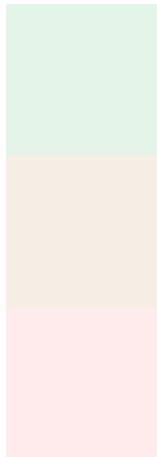
This preview shows how white text looks on a background with the XYZ color 78.5947, 86.8585,

88.9669.

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

78.5947, 86.8585, 88.9669

Protanopia

82.7234, 86.3990, 86.4454

Deuteranopia

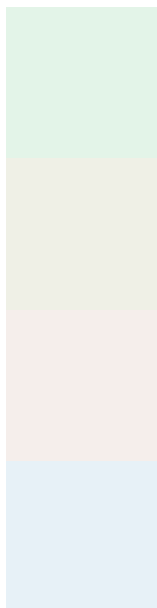
86.0887, 86.7328, 91.5606



Tritanopia

82.8144, 86.8638, 107.0093

Trichromacy



Original Color

78.5947, 86.8585, 88.9669

Protanomaly

81.0396, 86.3841, 87.2655

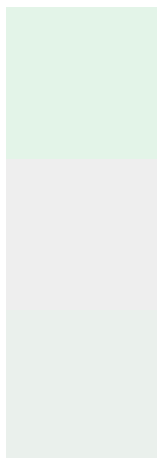
Deuteranomaly

83.2261, 86.5597, 90.9185

Tritanomaly

81.1988, 86.6149, 100.4344

Monochromacy



Original Color

78.5947, 86.8585, 88.9669

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.2321, 85.8687, 91.7025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5947, 86.8585, 88.9669 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(227, 244, 232) looks like.

```
.text, #text, p{  
    color:rgb(227, 244, 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(227, 244, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 244, 232) }
```

Border

The CSS property to change the border of an element to XYZ 78.5947, 86.8585, 88.9669 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(227, 244, 232) }
```


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

```
.border{ border-color:rgb(227, 244, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 244, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 244, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 244, 232);  
box-shadow:4px 4px 4px 4px rgb(227, 244,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5947, 86.8585, 88.9669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 244, 232) }
```

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

```
.background{ background-color: rgb(227,  
244, 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](#).

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