

Converting Colors

XYZ(78.3802, 86.5673, 84.4059)

Have a look what the booklet for
XYZ(78.3802, 86.5673, 84.4059)
contains.

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Color

**XYZ(78.4112, 86.4152,
84.4986)**

Conversions

Conversions Part 1

Format	Color
Hex	E6F3E2
RGB	230, 243, 226
RGB Percent	90%, 95%, 89%
CMY	0.0980, 0.0470, 0.1137
CMYK	0.05, 0.00, 0.07, 0.05
HSL	106°, 41%, 92%
HSV	106°, 7%, 95%
XYZ	78.4112, 86.4152, 84.4986
YIQ	237.1750, -2.2910, -8.0430

Conversions

Conversions Part 2

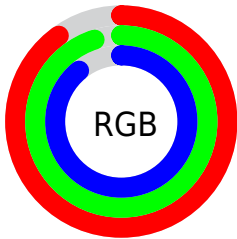
Format	Color
R _Y B	226, 243, 239
Decimal	15135714
CIE Lab	94.49, -7.31, 6.71
CIE LCh	94, 9.920, 137.458
Yxy	86.4152, 0.3145, 0.3466
Android (android.graphics.Color)	4293325794 (0xFFE6F3E2)
YUV	237.1750, -5.5093, -6.2925
Hunter-Lab	92.9598, -12.1156, 11.1784

Details

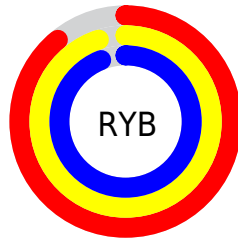
The XYZ color **78.4112, 86.4152, 84.4986** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.9740, 79.2169, 95.9265**, and the grayscale version is **80.6755, 84.8769, 92.4309**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5766, 47.4796, 45.4485** is the 20% darker color. If you saturate the color by 10%, you get **69.6611, 82.2652, 67.8991**, and if you desaturate by 10%, it is **88.2746, 91.0895, 103.6207**.

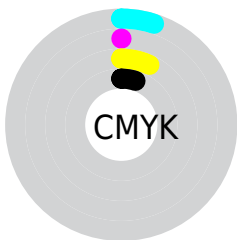
Distribution



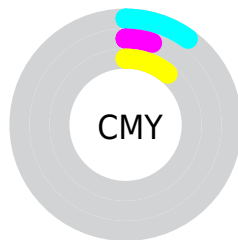
- Red (90%)
- Green (95%)
- Blue (89%)



- Red (89%)
- Yellow (95%)
- Blue (94%)



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



- Cyan (10%)
- Magenta (5%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4112, 86.4152, 84.4986 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 78.4112, 86.4152, 84.4986 by changing the saturation by 10% instead.

■ 78.4112, 86.4152,
84.4986

■ 78.4112, 86.4152,
84.4986

478.3807,
516.2993, 530.0687

■ 58.7158, 65.0114,
62.8794

130.0919,
142.3487, 141.5404

■ 42.6299, 47.4703,
45.3033

162.8079,
177.6472, 177.8000

■ 29.7881, 33.4076,
31.3517

200.5949,
218.3461, 219.7769

■ 19.8250, 22.4389,
20.6061

243.8181,
264.8297, 267.8896

■ 12.3755, 14.1797,
12.6479

292.8429,
317.4824, 322.5565

■ 7.0739, 8.2458,
7.0587

348.0347,

■ 3.5551, 4.2526,

376.6886, 384.1964

3.4198

409.7588,
442.8328, 453.2276

■ 1.4537, 1.8159,
1.3128

■ 0.2940, 0.4970,
0.0722

■ 78.4112, 86.4152,
84.4986

■ 78.4112, 86.4152,
84.4986

■ 69.6611, 82.2652,
67.8991

■ 88.2746, 91.0895,
103.6207

■ 61.9776, 78.6103,
53.7114

■ 91.3423, 92.5846,
107.6641

■ 55.3211, 75.4349,
41.8250

■ 49.6465, 72.7186,
32.1185

■ 44.9057, 70.4392,
24.4593

■ 41.0460, 68.5729,
18.7005

■ 38.0090, 67.0932,
14.6753

■ 35.7287, 65.9704,
12.1884

■ 34.1256, 65.1688,
10.9898

Harmonies

Analogous

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



80.6049, 86.4152, 80.7542



78.4112, 86.4152, 84.4986



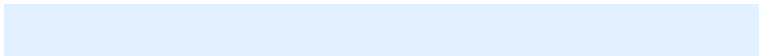
77.2261, 86.4152, 90.9354

Triad

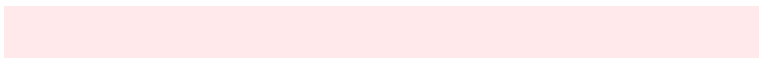
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.4112, 86.4152, 84.4986



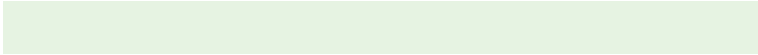
81.0255, 86.4152, 109.1818



87.1292, 86.4152, 89.7501

Complementary

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



78.4112, 86.4152, 84.4986



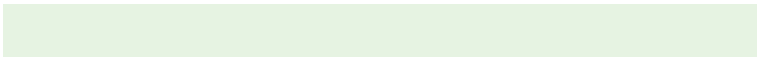
78.9740, 79.2169, 95.9265

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.



87.2477, 86.4152, 97.3198



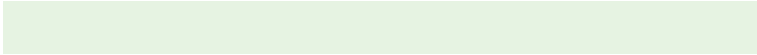
78.4112, 86.4152, 84.4986



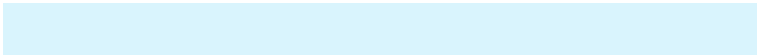
83.6845, 86.4152, 108.8218

Square

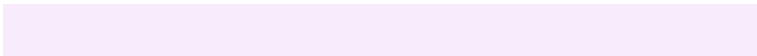
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



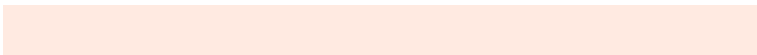
78.4112, 86.4152, 84.4986



78.7134, 86.4152, 105.3425



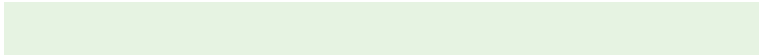
85.9750, 86.4152, 104.3842



85.6545, 86.4152, 83.6715

Rectangle

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



78.4112, 86.4152, 84.4986



77.1503, 86.4152, 96.0123



85.9750, 86.4152, 104.3842



87.3301, 86.4152, 92.1964

Sweetspot

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



78.4136, 86.4189, 84.5005



92.8192, 98.9436, 104.5662



81.4866, 86.1363, 84.2840



19.8905, 21.1891, 22.4269



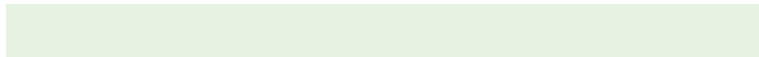
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

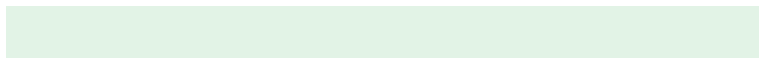
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.4136, 86.4189, 84.5005



86.4289, 95.9152, 92.2528



77.7354, 86.0010, 87.5519



16.6470, 18.6601, 17.5219



18.6200, 35.7118, 5.9117



1.7240, 3.1838, 0.5237

Inverse Universe

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



78.9740, 79.2169, 95.9265



87.1406, 86.7691, 106.7631



79.7047, 79.6669, 92.6479



16.8104, 16.5604, 20.8530



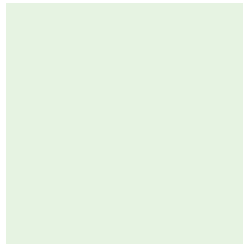
20.0969, 9.3346, 47.2806



1.8562, 0.8667, 4.1597

Previews

White Background



This preview shows how the XYZ color 78.4112, 86.4152, 84.4986 looks on a white background.

Color Contrast Check

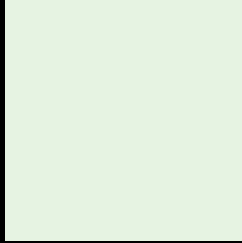
Large Text (above 18pt) WCAG AA × Fail

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 78.4112, 86.4152, 84.4986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

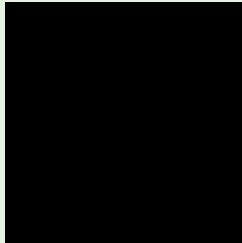
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

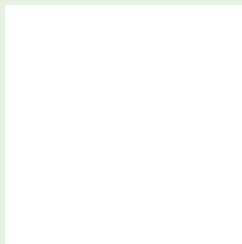
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.4112, 86.4152, 84.4986

Background



This preview shows how black text looks on a background with the XYZ color 78.4112, 86.4152, 84.4986.



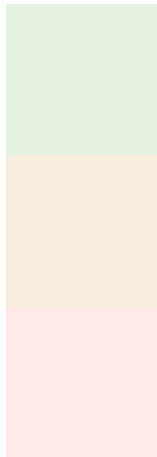
This preview shows how white text looks on a background with the XYZ color 78.4112, 86.4152,

84.4986.

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

78.4112, 86.4152, 84.4986

Protanopia

82.2516, 86.2509, 82.1250

Deuteranopia

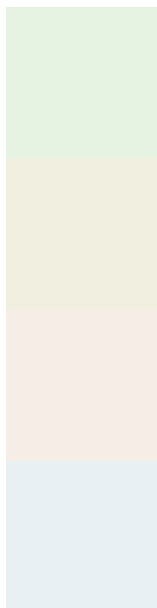
85.3708, 85.9888, 89.1888



Tritanopia

82.8855, 86.0312, 106.8449

Trichromacy



Original Color

78.4112, 86.4152, 84.4986

Protanomaly

80.8903, 86.4028, 82.9350

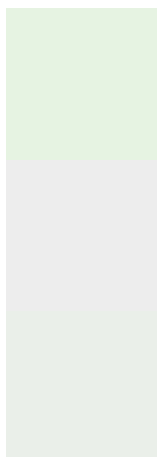
Deuteranomaly

82.5732, 85.8744, 87.0863

Tritanomaly

81.0935, 86.1755, 97.9474

Monochromacy



Original Color

78.4112, 86.4152, 84.4986

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

79.5062, 85.1086, 89.3280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4112, 86.4152, 84.4986 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(230, 243, 226) looks like.

```
.text, #text, p{  
    color:rgb(230, 243, 226)  
}
```

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(230, 243, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 243, 226) }
```

Border

The CSS property to change the border of an element to XYZ 78.4112, 86.4152, 84.4986 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(230, 243, 226) }
```


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

```
.border{ border-color:rgb(230, 243, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 243, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 243, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 243, 226); box-shadow:4px 4px 4px 4px rgb(230, 243, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4112, 86.4152, 84.4986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 243, 226) }
```

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

```
.background{ background-color: rgb(230,  
243, 226) }
```

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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