

Converting Colors

XYZ(78.5020, 87.7500, 85.3961)

Have a look what the booklet for
XYZ(78.5020, 87.7500, 85.3961)
contains.

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Color

**XYZ(78.4994, 87.7885,
85.4806)**

Conversions

Conversions Part 1

Format	Color
Hex	E3F6E3
RGB	227, 246, 227
RGB Percent	89%, 96%, 89%
CMY	0.1098, 0.0353, 0.1098
CMYK	0.08, 0.00, 0.08, 0.04
HSL	120°, 51%, 93%
HSV	120°, 8%, 96%
XYZ	78.4994, 87.7885, 85.4806
YIQ	238.1530, -5.2250, -9.9370

Conversions

Conversions Part 2

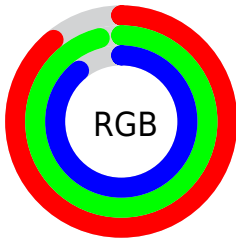
Format	Color
R_{YB}	227, 246, 246
Decimal	14939875
CIE _{Lab}	95.07, -9.64, 7.00
CIE _{LCh}	95, 11.917, 144.015
Yxy	87.7885, 0.3118, 0.3487
Android (android.graphics.Color)	4293129955 (0xFFE3F6E3)
YUV	238.1530, -5.4984, -9.7812
Hunter-Lab	93.6955, -14.4174, 11.4952

Details

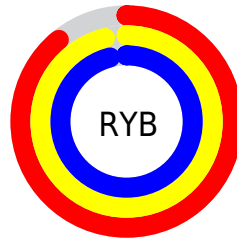
The XYZ color **78.4994, 87.7885, 85.4806** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.1128, 81.1868, 98.5357**, and the grayscale version is **81.4327, 85.6736, 93.2985**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8731, 48.5761, 46.1462** is the 20% darker color. If you saturate the color by 10%, you get **68.1315, 82.8109, 68.5203**, and if you desaturate by 10%, it is **90.4659, 93.5392, 105.0516**.

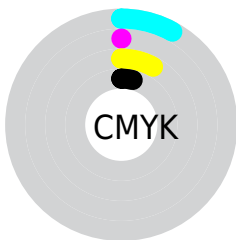
Distribution



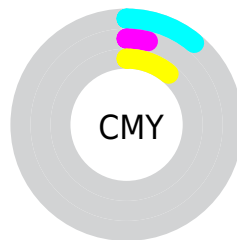
- Red (89%)
- Green (96%)
- Blue (89%)



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



- Cyan (8%)
- Magenta (0%)
- Yellow (8%)
- Black (4%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4994, 87.7885, 85.4806 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 78.4994, 87.7885, 85.4806 by changing the saturation by 10% instead.


 78.4994, 87.7885,
85.4806

 78.4994, 87.7885,
85.4806


478.6751,
520.8104, 533.4030

 58.7885, 66.1479,
63.6861


130.2155,
144.2627, 142.9246

 42.6886, 48.3925,
45.9519

162.9515,
179.8651, 179.4112

 29.8343, 34.1378,
31.8595

200.7598,
220.8902, 221.6322

 19.8603, 22.9995,
20.9903

244.0060,
267.7224, 270.0062

 12.4012, 14.5931,
12.9257

293.0552,
320.7461, 324.9518

 7.0917, 8.5343,
7.2473

348.2729,

 3.5663, 4.4387,

380.3458, 386.8874

3.5365

410.0244,
446.9057, 456.2316

■ 1.4599, 1.9219,
1.3747

■ 0.2983, 0.5615,
0.1218

■ 78.4994, 87.7885,
85.4806

■ 78.4994, 87.7885,
85.4806

■ 68.1315, 82.8109,
68.5203

■ 90.4659, 93.5392,
105.0516

■ 59.2878, 78.5628,
54.0549

■ 92.2475, 94.3950,
107.9658

■ 51.8986, 75.0134,
41.9686

■ 45.8861, 72.1252,
32.1339

■ 41.1651, 69.8575,
24.4118

■ 37.6412, 68.1648,
18.6476

■ 35.2069, 66.9955,
14.6657

■ 33.7356, 66.2888,
12.2590

■ 33.0583, 65.9634,
11.1508

Harmonies

Analogous

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



80.9301, 87.7885, 80.1959



78.4994, 87.7885, 85.4806



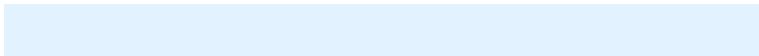
77.3956, 87.7885, 93.7383

Triad

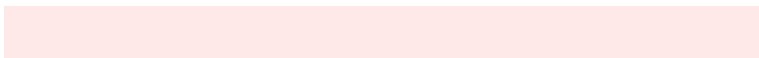
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.4994, 87.7885, 85.4806



82.7924, 87.7885, 114.4550



89.2621, 87.7885, 88.5067

Complementary

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



78.4994, 87.7885, 85.4806



82.1128, 81.1868, 98.5357

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.



89.7918, 87.7885, 97.4593



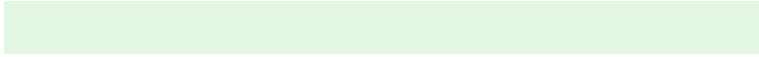
78.4994, 87.7885, 85.4806



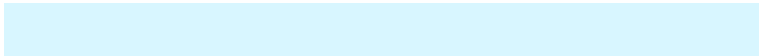
86.0019, 87.7885, 112.8306

Square

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



78.4994, 87.7885, 85.4806



79.8326, 87.7885, 110.7654



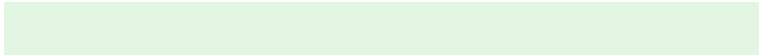
88.5844, 87.7885, 106.4596



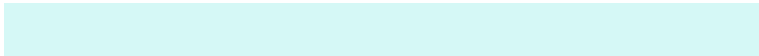
87.1551, 87.7885, 81.8623

Rectangle

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



78.4994, 87.7885, 85.4806



77.5399, 87.7885, 99.9739



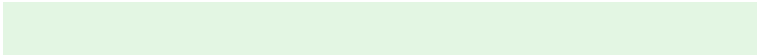
88.5844, 87.7885, 106.4596



89.6328, 87.7885, 91.3299

Sweetspot

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



78.5018, 87.7923, 85.4825



92.3882, 98.7214, 104.5462



84.8308, 91.0550, 85.7782



19.8027, 21.1438, 22.4228



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.



78.5018, 87.7923, 85.4825



83.6277, 94.5133, 90.2170



79.8500, 88.3315, 92.5821



16.2823, 18.4721, 17.5050



17.5906, 35.1811, 5.8637



1.5460, 3.0921, 0.5154

Inverse Universe

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



82.1128, 81.1868, 98.5357



88.1606, 86.2213, 106.6029



80.6911, 80.6181, 91.0489



17.2137, 16.7683, 20.8718



29.1644, 14.0092, 47.7013



2.5633, 1.2313, 4.1925

Previews

White Background



This preview shows how the XYZ color 78.4994, 87.7885, 85.4806 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 78.4994, 87.7885, 85.4806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

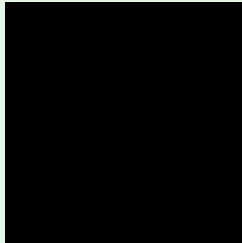
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

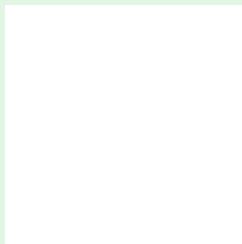
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.4994, 87.7885, 85.4806

Background



This preview shows how black text looks on a background with the XYZ color 78.4994, 87.7885, 85.4806.



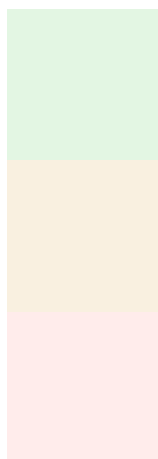
This preview shows how white text looks on a background with the XYZ color 78.4994, 87.7885,

85.4806.

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

78.4994, 87.7885, 85.4806

Protanopia

83.6816, 87.8417, 83.0657

Deuteranopia

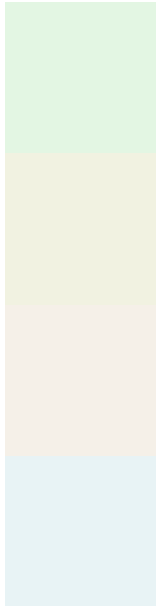
86.2308, 87.2491, 90.8932



Tritanopia

83.7662, 87.7928, 107.1385

Trichromacy



Original Color

78.4994, 87.7885, 85.4806

Protanomaly

81.6184, 87.6413, 83.8489

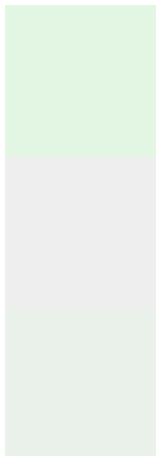
Deuteranomaly

83.3818, 87.5588, 88.8498

Tritanomaly

81.8107, 87.8496, 99.0310

Monochromacy



Original Color

78.4994, 87.7885, 85.4806

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.2383, 86.3435, 90.2789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4994, 87.7885, 85.4806 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, 246, 227) looks like.

```
.text, #text, p{  
    color:rgb(227, 246, 227)  
}
```

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, 246, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 246, 227) }
```

Border

The CSS property to change the border of an element to XYZ 78.4994, 87.7885, 85.4806 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, 246, 227) }
```


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

```
.border{ border-color:rgb(227, 246, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 246, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 246, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 246, 227);  
box-shadow:4px 4px 4px 4px rgb(227, 246,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4994, 87.7885, 85.4806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 246, 227) }
```

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

```
.background{ background-color: rgb(227,  
246, 227) }
```

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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