

Converting Colors

XYZ(78.3193, 87.2943, 87.3603)

Have a look what the booklet for
XYZ(78.3193, 87.2943, 87.3603)
contains.

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Color

**XYZ(78.2994, 87.1867,
87.5648)**

Conversions

Conversions Part 1

Format	Color
Hex	E2F5E6
RGB	226, 245, 230
RGB Percent	89%, 96%, 90%
CMY	0.1137, 0.0392, 0.0980
CMYK	0.08, 0.00, 0.06, 0.04
HSL	133°, 49%, 92%
HSV	133°, 8%, 96%
XYZ	78.2994, 87.1867, 87.5648
YIQ	237.6090, -6.5090, -8.6930

Conversions

Conversions Part 2

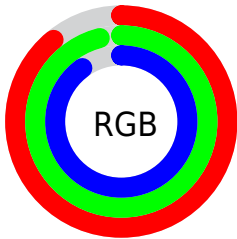
Format	Color
R _Y B	226, 242, 245
Decimal	14874086
CIE Lab	94.82, -8.95, 5.08
CIE LCh	95, 10.285, 150.427
Yxy	87.1867, 0.3094, 0.3445
Android (android.graphics.Color)	4293064166 (0xFFE2F5E6)
YUV	237.6090, -3.7512, -10.1811
Hunter-Lab	93.3738, -13.7215, 9.7603

Details

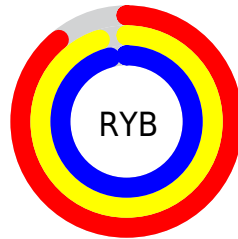
The XYZ color **78.2994, 87.1867, 87.5648** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.7329, 80.1584, 94.4404**, and the grayscale version is **80.9995, 85.2178, 92.8022**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7300, 48.1483, 47.5989** is the 20% darker color. If you saturate the color by 10%, you get **68.5915, 82.4812, 73.7089**, and if you desaturate by 10%, it is **89.4115, 92.5862, 103.0636**.

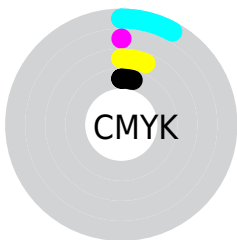
Distribution



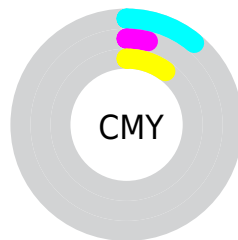
- Red (89%)
- Green (96%)
- Blue (90%)



- Red (89%)
- Yellow (95%)
- Blue (96%)



- Cyan (8%)
- Magenta (0%)
- Yellow (6%)
- Black (4%)



- Cyan (11%)
- Magenta (4%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.2994, 87.1867, 87.5648 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 78.2994, 87.1867, 87.5648 by changing the saturation by 10% instead.

78.2994, 87.1867,
87.5648

78.2994, 87.1867,
87.5648

478.0073,
518.8362, 540.4413

58.6236, 65.6497,
65.4004

129.9352,
143.4243, 145.8569

42.5554, 47.9881,
47.3324

162.6260,
178.8938, 182.8217

29.7294, 33.8175,
32.9423

200.3857,
219.7762, 225.5571

19.7804, 22.7534,
21.8115

243.5799,
266.4559, 274.4816

12.3428, 14.4115,
13.5215

292.5737,
319.3174, 330.0137

7.0515, 8.4074,
7.6537

347.7327,

3.5409, 4.3568,

378.7450, 392.5720

3.7896

409.4221,
445.1231, 462.5750

■ 1.4458, 1.8751,
1.5106

■ 0.2885, 0.5333,
0.2258

■ 78.2994, 87.1867,
87.5648

■ 78.2994, 87.1867,
87.5648

■ 68.5915, 82.4812,
73.7089

■ 89.4115, 92.5862,
103.0636

■ 60.2243, 78.4308,
61.4365

■ 91.9441, 93.7881,
107.8647

■ 53.1404, 75.0093,
50.6926

■ 47.2751, 72.1849,
41.4174

■ 42.5583, 69.9226,
33.5467

■ 38.9123, 68.1839,
27.0117

■ 36.2495, 66.9251,
21.7380

■ 34.4681, 66.0956,
17.6432

■ 33.4345, 65.6282,
14.6352

Harmonies

Analogous

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



80.1868, 87.1867, 82.3167



78.2994, 87.1867, 87.5648



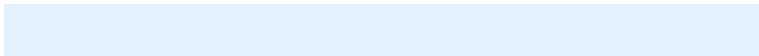
77.6300, 87.1867, 95.0459

Triad

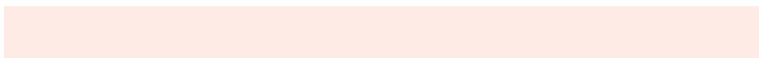
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.2994, 87.1867, 87.5648



82.9083, 87.1867, 111.1014



87.5702, 87.1867, 87.3773

Complementary

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



78.2994, 87.1867, 87.5648



80.7329, 80.1584, 94.4404

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.



88.3372, 87.1867, 94.8172



78.2994, 87.1867, 87.5648



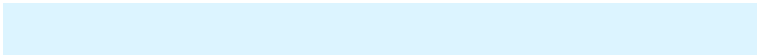
85.6090, 87.1867, 108.7734

Square

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



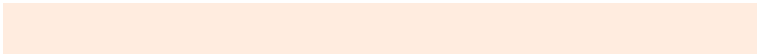
78.2994, 87.1867, 87.5648



80.2545, 87.1867, 108.8987



87.6117, 87.1867, 102.7002



85.5383, 87.1867, 82.2127

Rectangle

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



78.2994, 87.1867, 87.5648



77.9526, 87.1867, 100.3832



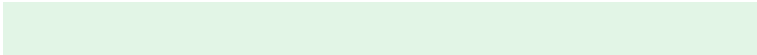
87.6117, 87.1867, 102.7002



87.9865, 87.1867, 89.6808

Sweetspot

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



78.3018, 87.1904, 87.5667



92.5569, 98.7889, 105.4348



82.7273, 89.5360, 84.8748



19.8371, 21.1576, 22.6038



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.



78.3018, 87.1904, 87.5667



84.3236, 94.7916, 93.8816



79.6437, 87.7271, 94.6327



16.4249, 18.5291, 18.2559



17.9598, 35.3287, 7.8078



1.6145, 3.1195, 0.8760

Inverse Universe

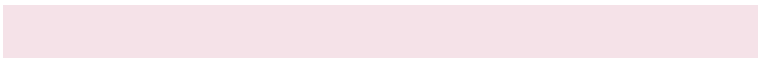
The Inverse Universe completely reimagines the original color for something new.



80.7329, 80.1584, 94.4404



87.3926, 85.9141, 102.5588



79.3782, 79.6165, 87.3067



17.0555, 16.7050, 20.0387



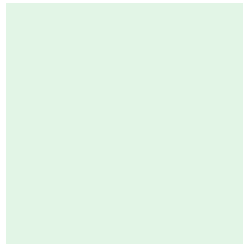
25.5501, 12.5635, 28.6691



2.2821, 1.1188, 2.7121

Previews

White Background



This preview shows how the XYZ color 78.2994, 87.1867, 87.5648 looks on a white background.

Color Contrast Check

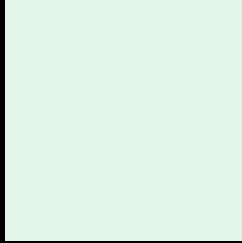
Large Text (above 18pt) WCAG AA × Fail

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 78.2994, 87.1867, 87.5648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

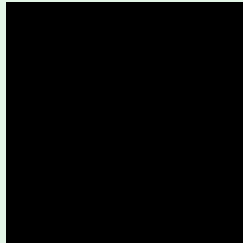
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

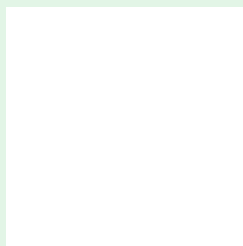
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.2994, 87.1867, 87.5648

Background



This preview shows how black text looks on a background with the XYZ color 78.2994, 87.1867, 87.5648.



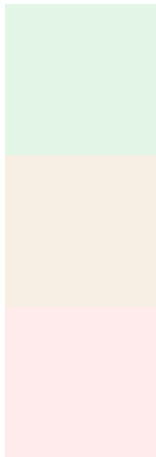
This preview shows how white text looks on a background with the XYZ color 78.2994, 87.1867,

87.5648.

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

78.2994, 87.1867, 87.5648

Protanopia

83.0894, 87.0532, 85.0967

Deuteranopia

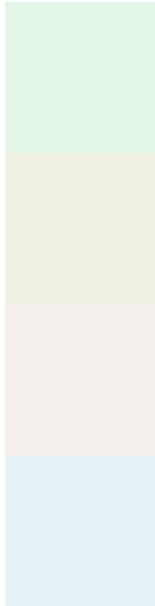
86.0887, 86.7328, 91.5606



Tritanopia

82.8144, 86.8638, 107.0093

Trichromacy



Original Color

78.2994, 87.1867, 87.5648

Protanomaly

81.0555, 86.8628, 85.8929

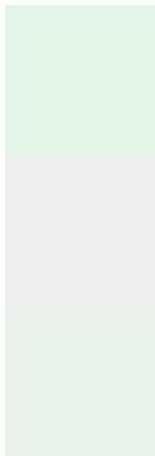
Deuteranomaly

83.0260, 86.9066, 90.2406

Tritanomaly

81.0198, 86.9811, 99.7076

Monochromacy



Original Color

78.2994, 87.1867, 87.5648

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.3824, 86.4012, 91.0378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.2994, 87.1867, 87.5648 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(226, 245, 230)` looks like.

```
.text, #text, p{  
    color:rgb(226, 245, 230)  
}
```

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(226, 245, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 245, 230) }
```

Border

The CSS property to change the border of an element to XYZ 78.2994, 87.1867, 87.5648 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(226, 245, 230) }
```


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

```
.border{ border-color:rgb(226, 245, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 245, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 245, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 245, 230);  
box-shadow:4px 4px 4px 4px rgb(226, 245,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 78.2994, 87.1867, 87.5648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 245, 230) }
```

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

```
.background{ background-color: rgb(226,  
245, 230) }
```

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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