

Converting Colors

XYZ(78.9964, 91.0811, 80.3347)

Have a look what the booklet for
XYZ(78.9964, 91.0811, 80.3347)
contains.

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Color

**XYZ(78.9606, 90.9040,
80.4024)**

Conversions

Conversions Part 1

Format	Color
Hex	E2FCDB
RGB	226, 252, 219
RGB Percent	89%, 99%, 86%
CMY	0.1137, 0.0117, 0.1412
CMYK	0.10, 0.00, 0.13, 0.01
HSL	107°, 85%, 92%
HSV	107°, 13%, 99%
XYZ	78.9606, 90.9040, 80.4024
YIQ	240.4640, -4.9030, -15.7750

Conversions

Conversions Part 2

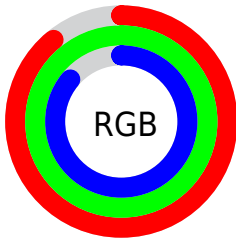
Format	Color
R _Y B	219, 252, 245
Decimal	14875867
CIE Lab	96.37, -14.32, 12.97
CIE LCh	96, 19.323, 137.841
Yxy	90.9040, 0.3155, 0.3632
Android (android.graphics.Color)	4293065947 (0xFFE2FCDB)
YUV	240.4640, -10.5818, -12.6849
Hunter-Lab	95.3436, -19.0231, 16.7418

Details

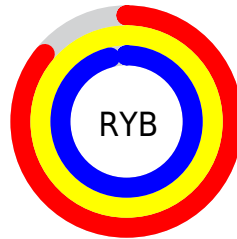
The XYZ color **78.9606, 90.9040, 80.4024** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **80.5620, 77.1063, 102.7371**, and the grayscale version is **83.2733, 87.6100, 95.4073**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.0105, 50.3685, 42.5772** is the 20% darker color. If you saturate the color by 10%, you get **70.0214, 86.6531, 63.9573**, and if you desaturate by 10%, it is **89.1281, 95.7354, 99.5305**.

Distribution



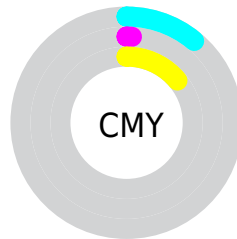
- Red (89%)
- Green (99%)
- Blue (86%)



- Red (86%)
- Yellow (99%)
- Blue (96%)



- Cyan (10%)
- Magenta (0%)
- Yellow (13%)
- Black (1%)





- Cyan (11%)
- Magenta (1%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.9606, 90.9040, 80.4024 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 78.9606, 90.9040, 80.4024 by changing the saturation by 10% instead.


 78.9606, 90.9040,
80.4024

 78.9606, 90.9040,
80.4024

480.2131,
530.9672, 516.0304

 59.1689, 68.7307,
59.5214


130.8616,
148.5935, 135.7478

 42.9960, 50.4924,
42.6102

163.7017,
184.8784, 171.0494

 30.0765, 35.8048,
29.2503

201.6219,
226.6359, 211.9949

 20.0450, 24.2835,
19.0230

244.9877,
274.2505, 259.0029

 12.5362, 15.5440,
11.5099

294.1643,
328.1065, 312.4919

 7.1848, 9.2021,
6.2925

349.5172,

 3.6253, 4.8732,

388.5884, 372.8804

2.9521

411.4117,
456.0805, 440.5871

■ 1.4924, 2.1731,
1.0702

■ 0.3207, 0.7053,
0.0000

■ 78.9606, 90.9040,
80.4024

■ 78.9606, 90.9040,
80.4024

■ 70.0214, 86.6531,
63.9573

■ 89.1281, 95.7354,
99.5305

■ 62.2562, 82.9493,
50.0695

■ 94.1022, 98.1044,
108.5841

■ 55.6173, 79.7736,
38.6124

■ 50.0510, 77.1011,
29.4459

■ 45.4988, 74.9053,
22.4159

■ 41.8966, 73.1567,
17.3491

■ 39.1722, 71.8225,
14.0456

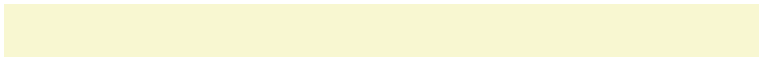
■ 37.2417, 70.8648,
12.2622

■ 36.3039, 70.3934,
11.6739

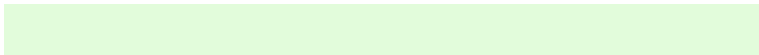
Harmonies

Analogous

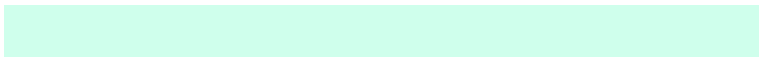
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2720, 90.9040, 73.3797



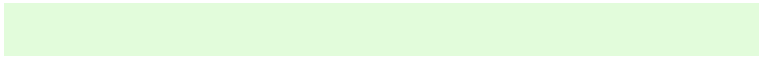
78.9606, 90.9040, 80.4024



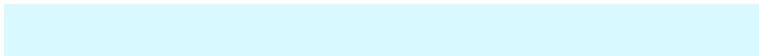
76.6819, 90.9040, 92.8712

Triad

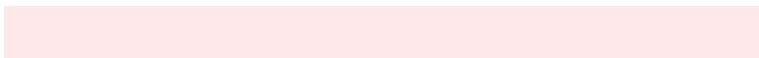
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.9606, 90.9040, 80.4024



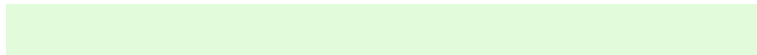
84.2417, 90.9040, 130.8440



96.6236, 90.9040, 90.1803

Complementary

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



78.9606, 90.9040, 80.4024



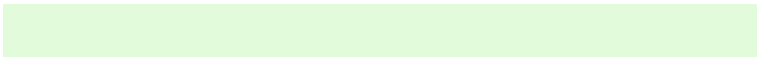
80.5620, 77.1063, 102.7371

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.



96.9096, 90.9040, 105.3489



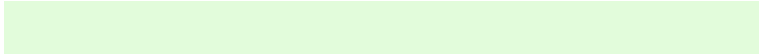
78.9606, 90.9040, 80.4024



89.6085, 90.9040, 129.9311

Square

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



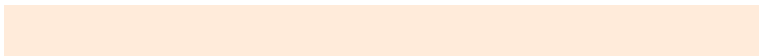
78.9606, 90.9040, 80.4024



79.6450, 90.9040, 122.5951



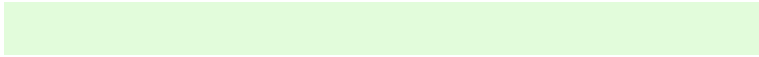
94.2958, 90.9040, 120.2169



93.5297, 90.9040, 78.6090

Rectangle

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



78.9606, 90.9040, 80.4024



76.5570, 90.9040, 103.0742



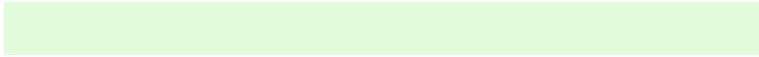
94.2958, 90.9040, 120.2169



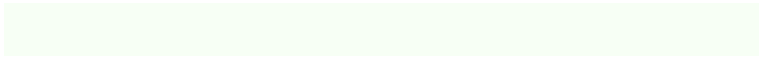
97.0558, 90.9040, 94.9937

Sweetspot

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



78.9631, 90.9079, 80.4044



90.5557, 97.8678, 100.3438



85.5419, 91.0281, 80.0808



19.2067, 20.8643, 21.1443



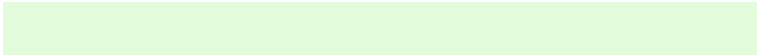
0.0000, 0.0000, 0.0000



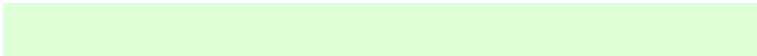
20.3446, 21.4041, 23.3091

Same Dimension

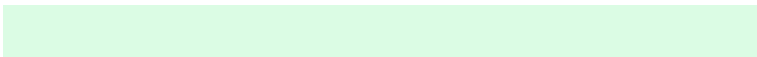
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.9631, 90.9079, 80.4044



78.3092, 92.0499, 77.3924



78.0789, 90.3058, 86.9716



17.3614, 19.4865, 18.3086



19.0089, 36.7178, 6.0854



1.8451, 3.4443, 0.5676

Inverse Universe

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



80.5620, 77.1063, 102.7371



80.2752, 75.0701, 104.8668



81.6045, 77.8108, 95.2388



17.6116, 17.3279, 21.8017



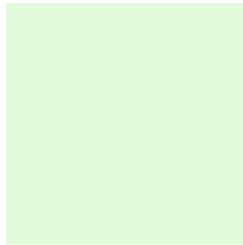
21.4891, 10.0207, 48.7751



2.0771, 0.9728, 4.5215

Previews

White Background



This preview shows how the XYZ color 78.9606, 90.9040, 80.4024 looks on a white background.

Color Contrast Check

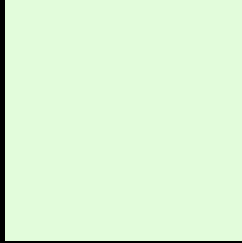
Large Text (above 18pt) WCAG AA × Fail

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 78.9606, 90.9040, 80.4024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

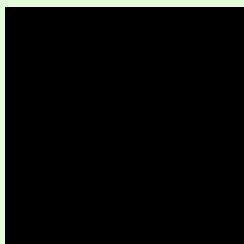
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

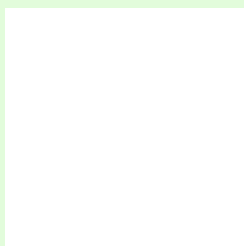
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.9606, 90.9040, 80.4024

Background



This preview shows how black text looks on a background with the XYZ color 78.9606, 90.9040, 80.4024.



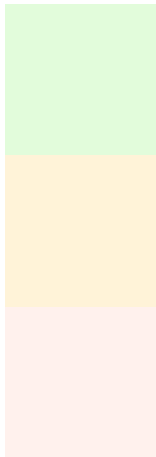
This preview shows how white text looks on a background with the XYZ color 78.9606, 90.9040,

80.4024.

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

78.9606, 90.9040, 80.4024

Protanopia

85.6853, 90.3191, 77.8830

Deuteranopia

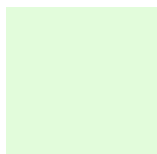
87.9814, 90.2850, 92.9104



Tritanopia

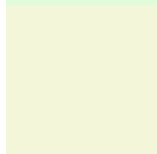
86.2990, 90.8755, 107.6000

Trichromacy



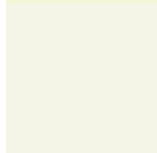
Original Color

78.9606, 90.9040, 80.4024



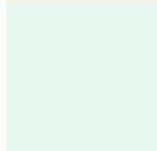
Protanomaly

82.7884, 90.1544, 78.6838



Deuteranomaly

84.2436, 90.2511, 87.8430



Tritanomaly

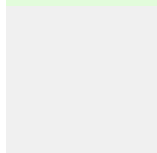
83.5261, 91.0380, 97.1742

Monochromacy



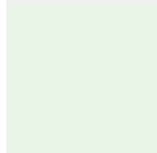
Original Color

78.9606, 90.9040, 80.4024



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

81.1771, 88.1897, 89.0878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.9606, 90.9040, 80.4024 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, 252, 219)` looks like.

```
.text, #text, p{  
    color:rgb(226, 252, 219)  
}
```

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, 252, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 252, 219) }
```

Border

The CSS property to change the border of an element to XYZ 78.9606, 90.9040, 80.4024 is called "border". The border property can be set on classes, ids or directly on the HTML element.

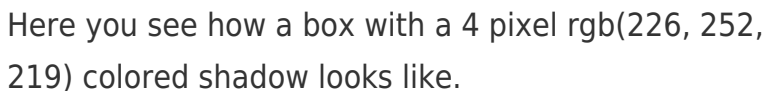
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 252, 219) }
```


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

```
.border{ border-color:rgb(226, 252, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(226, 252, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 252, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 252, 219); box-shadow:4px 4px 4px 4px rgb(226, 252, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 78.9606, 90.9040, 80.4024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 252, 219) }
```

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

```
.background{ background-color: rgb(226,  
252, 219) }
```

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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