

Converting Colors

XYZ(77.8709, 88.1778, 86.2585)

Have a look what the booklet for
XYZ(77.8709, 88.1778, 86.2585)
contains.

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Color

**XYZ(78.0024, 88.4242,
86.3552)**

Conversions

Conversions Part 1

Format	Color
Hex	DFF8E4
RGB	223, 248, 228
RGB Percent	87%, 97%, 89%
CMY	0.1255, 0.0274, 0.1059
CMYK	0.10, 0.00, 0.08, 0.03
HSL	132°, 64%, 92%
HSV	132°, 10%, 97%
XYZ	78.0024, 88.4242, 86.3552
YIQ	238.2450, -8.4800, -11.5200

Conversions

Conversions Part 2

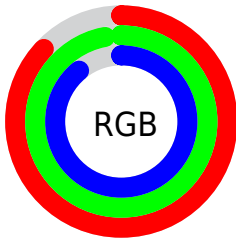
Format	Color
R _Y B	223, 244, 248
Decimal	14678244
CIE Lab	95.34, -11.79, 6.84
CIE LCh	95, 13.627, 149.890
Yxy	88.4242, 0.3086, 0.3498
Android (android.graphics.Color)	4292868324 (0xFFDFF8E4)
YUV	238.2450, -5.0508, -13.3699
Hunter-Lab	94.0341, -16.4920, 11.3756

Details

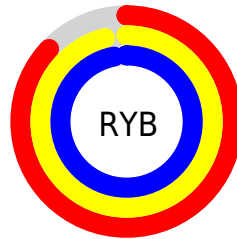
The XYZ color **78.0024, 88.4242, 86.3552** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.2799, 79.2050, 95.8023**, and the grayscale version is **81.5025, 85.7469, 93.3784**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5409, 49.0412, 46.7589** is the 20% darker color. If you saturate the color by 10%, you get **68.3158, 83.7333, 72.3399**, and if you desaturate by 10%, it is **89.1293, 93.8261, 102.0917**.

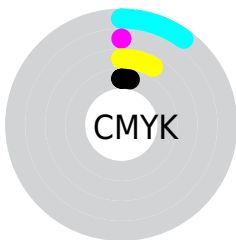
Distribution



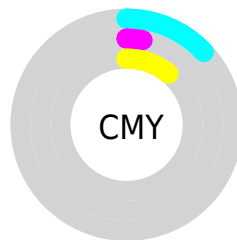
- Red (87%)
- Green (97%)
- Blue (89%)



- Red (87%)
- Yellow (96%)
- Blue (97%)



- Cyan (10%)
- Magenta (0%)
- Yellow (8%)
- Black (3%)





- Cyan (13%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.0024, 88.4242, 86.3552 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 78.0024, 88.4242, 86.3552 by changing the saturation by 10% instead.


 78.0024, 88.4242,
86.3552

 78.0024, 88.4242,
86.3552


477.0147,
522.8914, 536.3628

 58.3787, 66.6744,
64.4052


129.5189,
145.1476, 144.1560

 42.3576, 48.8201,
46.5306


162.1424,
180.8900, 180.8438

 29.5738, 34.4768,
32.3131


199.8299,
222.0654, 223.2813

 19.6618, 23.2601,
21.3339

242.9467,
269.0582, 271.8870

 12.2562, 14.7857,
13.1747

291.8582,
322.2529, 327.0795

 6.9919, 8.6691,
7.4168

346.9299,

 3.5033, 4.5260,

382.0337, 389.2772

3.6417

408.5269,
448.7850, 458.8988

■ 1.4252, 1.9719,
1.4309

■ 0.2741, 0.5911,
0.1657

■ 78.0024, 88.4242,
86.3552

■ 78.0024, 88.4242,
86.3552

■ 68.3158, 83.7333,
72.3399

■ 89.1293, 93.8261,
102.0917

■ 60.0030, 79.7128,
59.9816

■ 92.8591, 95.6182,
108.1697

■ 53.0033, 76.3352,
49.2208

■ 47.2483, 73.5667,
39.9921

■ 42.6635, 71.3704,
32.2255

■ 39.1664, 69.7051,
25.8458

■ 36.6630, 68.5243,
20.7708

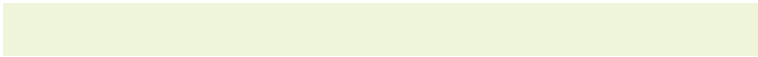
■ 35.0429, 67.7729,
16.9095

■ 34.1362, 67.3650,
14.1757

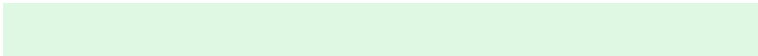
Harmonies

Analogous

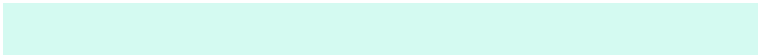
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.5272, 88.4242, 79.5746



78.0024, 88.4242, 86.3552



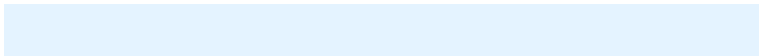
77.0869, 88.4242, 96.2395

Triad

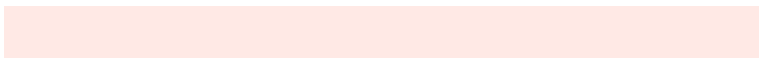
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.0024, 88.4242, 86.3552



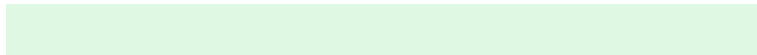
84.0308, 88.4242, 118.2717



90.4054, 88.4242, 86.4188

Complementary

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



78.0024, 88.4242, 86.3552



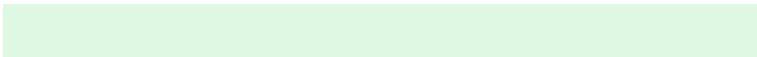
81.2799, 79.2050, 95.8023

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.



91.4088, 88.4242, 96.3184



78.0024, 88.4242, 86.3552



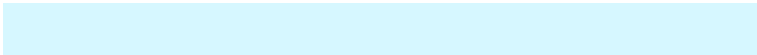
87.6629, 88.4242, 115.1711

Square

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



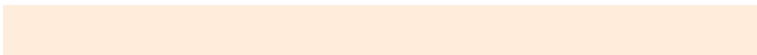
78.0024, 88.4242, 86.3552



80.5040, 88.4242, 115.1267



90.3909, 88.4242, 106.9352



87.6874, 88.4242, 79.6094

Rectangle

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



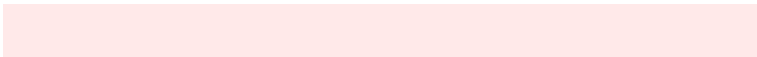
78.0024, 88.4242, 86.3552



77.4907, 88.4242, 103.4241



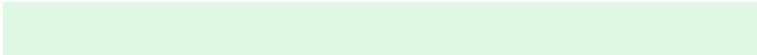
90.3909, 88.4242, 106.9352



90.9579, 88.4242, 89.4707

Sweetspot

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



78.0049, 88.4280, 86.3571



91.3215, 98.1899, 103.6637



83.9964, 91.5958, 83.0658



19.3384, 20.9157, 21.8949



0.0000, 0.0000, 0.0000



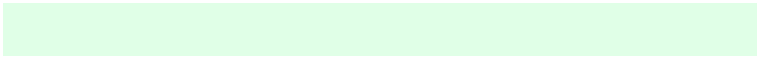
20.3446, 21.4041, 23.3091

Same Dimension

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



78.0049, 88.4280, 86.3571



80.9806, 93.1737, 88.9621



79.7422, 89.1229, 95.5059



17.1593, 19.3660, 19.0393



18.4787, 36.4045, 7.8643



1.7473, 3.3860, 0.9170

Inverse Universe

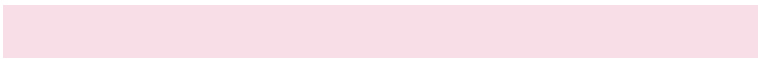
The Inverse Universe completely reimagines the original color for something new.



81.2799, 79.2050, 95.8023



85.0835, 81.6187, 100.7945



79.5139, 78.4986, 86.5026



17.8355, 17.4616, 20.9897



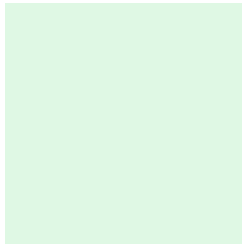
26.4949, 13.0137, 30.3782



2.4904, 1.2199, 3.0056

Previews

White Background



This preview shows how the XYZ color 78.0024, 88.4242, 86.3552 looks on a white background.

Color Contrast Check

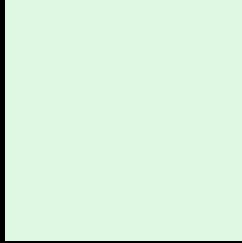
Large Text (above 18pt) WCAG AA × Fail

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 78.0024, 88.4242, 86.3552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

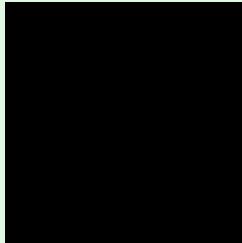
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

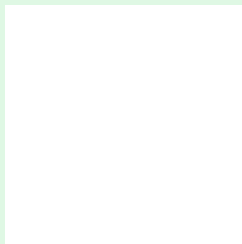
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.0024, 88.4242, 86.3552

Background



This preview shows how black text looks on a background with the XYZ color 78.0024, 88.4242, 86.3552.



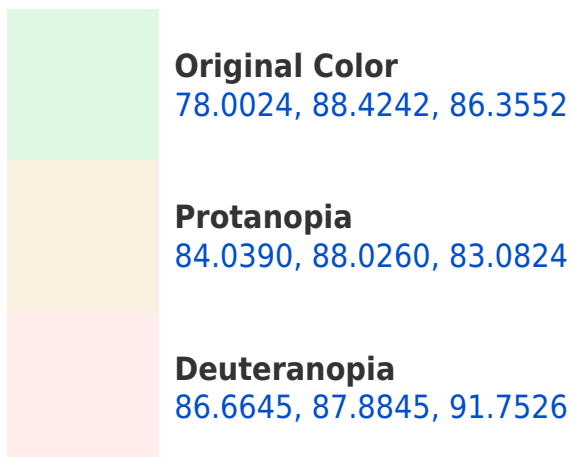
This preview shows how white text looks on a background with the XYZ color 78.0024, 88.4242,

86.3552.

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

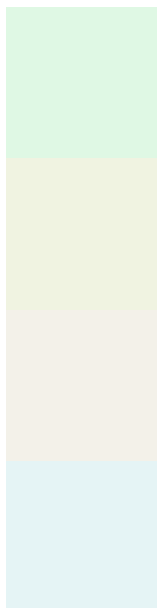




Tritanopia

83.4064, 88.0479, 107.2067

Trichromacy



Original Color

78.0024, 88.4242, 86.3552

Protanomaly

81.5764, 88.0627, 83.9324

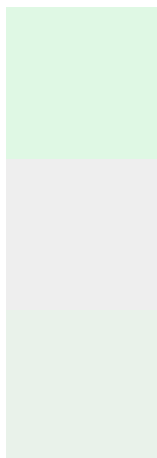
Deuteranomaly

83.1254, 87.8485, 89.6661

Tritanomaly

81.1452, 87.9520, 99.0858

Monochromacy



Original Color

78.0024, 88.4242, 86.3552

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.2077, 86.7684, 90.3625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.0024, 88.4242, 86.3552 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(223, 248, 228)` looks like.

```
.text, #text, p{  
    color:rgb(223, 248, 228)  
}
```

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(223, 248, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 248, 228) }
```

Border

The CSS property to change the border of an element to XYZ 78.0024, 88.4242, 86.3552 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(223, 248, 228) }
```


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

```
.border{ border-color:rgb(223, 248, 228) }
```

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

Here you see how a box with a 4 pixel rgb(223, 248, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 248, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 248, 228);  
box-shadow:4px 4px 4px 4px rgb(223, 248,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 78.0024, 88.4242, 86.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 248, 228) }
```

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

```
.background{ background-color: rgb(223,  
248, 228) }
```

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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