

Converting Colors

XYZ(78.1678, 91.7888, 85.8874)

Have a look what the booklet for
XYZ(78.1678, 91.7888, 85.8874)
contains.

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Color

**XYZ(78.1027, 91.7627,
85.5470)**

Conversions

Conversions Part 1

Format	Color
Hex	D9FFE2
RGB	217, 255, 226
RGB Percent	85%, 100%, 89%
CMY	0.1490, 0.0000, 0.1137
CMYK	0.15, 0.00, 0.11, 0.00
HSL	134°, 100%, 93%
HSV	134°, 15%, 100%
XYZ	78.1027, 91.7627, 85.5470
YIQ	240.3320, -13.3390, -17.0750

Conversions

Conversions Part 2

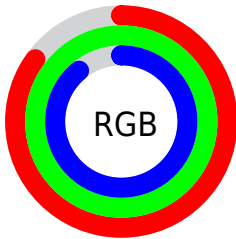
Format	Color
R _Y B	217, 248, 255
Decimal	14286818
CIE Lab	96.72, -17.55, 9.80
CIE LCh	97, 20.104, 150.821
Yxy	91.7627, 0.3058, 0.3593
Android (android.graphics.Color)	4292476898 (0xFFD9FFE2)
YUV	240.3320, -7.0657, -20.4622
Hunter-Lab	95.7928, -22.1012, 14.1066

Details

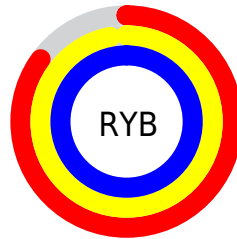
The XYZ color **78.1027, 91.7627, 85.5470** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **82.6877, 77.5403, 97.7971**, and the grayscale version is **83.1452, 87.4752, 95.2605**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4451, 51.0098, 46.1369** is the 20% darker color. If you saturate the color by 10%, you get **68.5787, 87.1441, 71.9443**, and if you desaturate by 10%, it is **89.1024, 97.1069, 100.8037**.

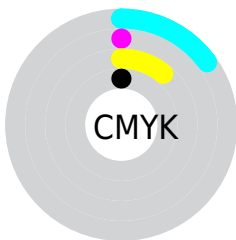
Distribution



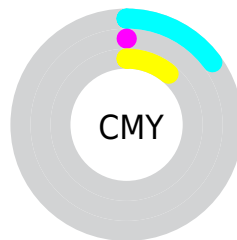
- Red (85%)
- Green (100%)
- Blue (89%)



- Red (85%)
- Yellow (97%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1027, 91.7627, 85.5470 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 78.1027, 91.7627, 85.5470 by changing the saturation by 10% instead.

78.1027, 91.7627,
85.5470

78.1027, 91.7627,
85.5470

477.3500,
533.7483, 533.6280

58.4614, 69.4435,
63.7407

129.6595,
149.7845, 143.0181

42.4244, 51.0730,
45.9958

162.3057,
186.2559, 179.5200

29.6263, 36.2667,
31.8939

200.0176,
228.2135, 221.7575

19.7018, 24.6403,
21.0163

243.1606,
276.0417, 270.1491

12.2855, 15.8092,
12.9446

292.0999,
330.1248, 325.1135

7.0120, 9.3893,
7.2601

347.2011,

3.5160, 4.9959,

390.8474, 387.0690

3.5444

408.8293,
458.5938, 456.4344

■ 1.4321, 2.2449,
1.3789

■ 0.2789, 0.7443,
0.1252

■ 78.1027, 91.7627,
85.5470

■ 78.1027, 91.7627,
85.5470

■ 68.5787, 87.1441,
71.9443

■ 89.1024, 97.1069,
100.8037

■ 60.4646, 83.2185,
59.9357

95.0500, 100.0000,
108.9000

■ 53.6926, 79.9522,
49.4638

■ 48.1886, 77.3082,
40.4664

■ 43.8708, 75.2458,
32.8768

■ 40.6478, 73.7194,
26.6233

■ 38.4141, 72.6761,
21.6275

■ 37.0417, 72.0518,
17.8029

■ 36.5862, 71.8505,
16.2709

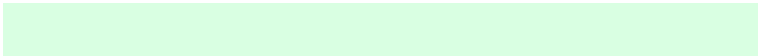
Harmonies

Analogous

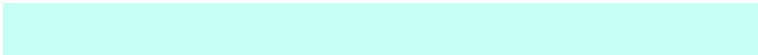
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7876, 91.7627, 75.5825



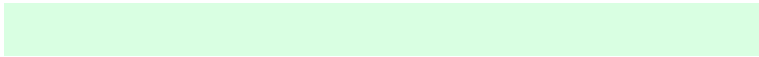
78.1027, 91.7627, 85.5470



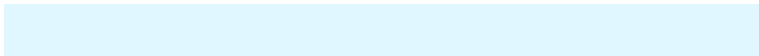
76.8343, 91.7627, 100.3588

Triad

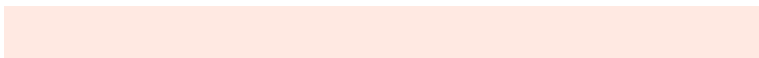
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.1027, 91.7627, 85.5470



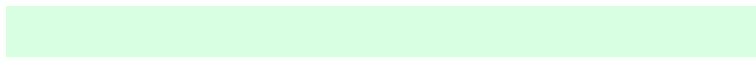
87.3729, 91.7627, 134.2334



96.8492, 91.7627, 84.8553

Complementary

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



78.1027, 91.7627, 85.5470



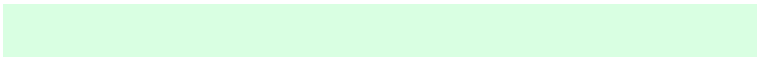
82.6877, 77.5403, 97.7971

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.



98.4968, 91.7627, 99.4705



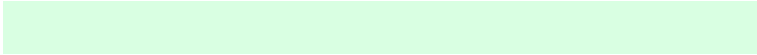
78.1027, 91.7627, 85.5470



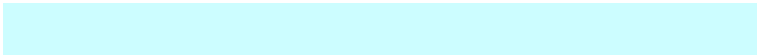
92.8830, 91.7627, 128.9760

Square

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



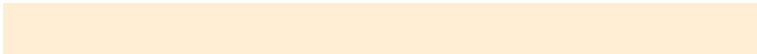
78.1027, 91.7627, 85.5470



82.0452, 91.7627, 129.5033



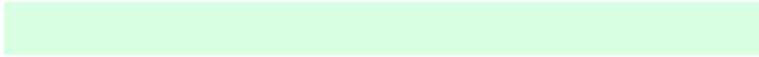
97.0156, 91.7627, 115.8057



92.6031, 91.7627, 75.2144

Rectangle

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



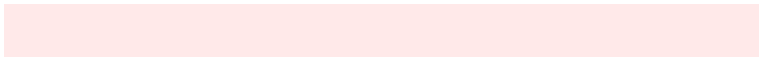
78.1027, 91.7627, 85.5470



77.4848, 91.7627, 111.3449



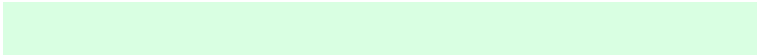
97.0156, 91.7627, 115.8057



97.7333, 91.7627, 89.2935

Sweetspot

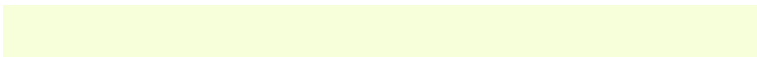
The Sweet Spot groups the original color and five complimentary colors.



78.1034, 91.7630, 85.5484



90.1683, 97.6253, 102.2617



86.3375, 96.1468, 79.6544



19.1091, 20.8031, 21.6276



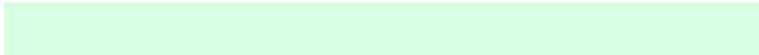
0.0000, 0.0000, 0.0000



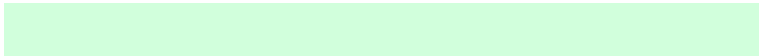
20.3446, 21.4041, 23.3091

Same Dimension

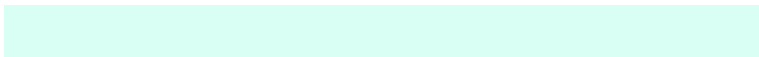
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.1034, 91.7630, 85.5484



74.9974, 90.2557, 81.1590



80.8369, 92.8564, 99.9424



17.9479, 20.2387, 20.0285



19.1648, 37.5625, 8.7532



1.9063, 3.6734, 1.0643

Inverse Universe

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



82.6877, 77.5403, 97.7971



80.4136, 73.4494, 95.6288



79.9369, 76.4400, 83.3116



18.5978, 18.2225, 21.7654



26.7332, 13.1826, 28.3092



2.6451, 1.3004, 2.9787

Previews

White Background



This preview shows how the XYZ color 78.1027, 91.7627, 85.5470 looks on a white background.

Color Contrast Check

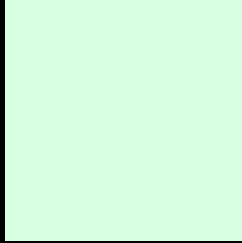
Large Text (above 18pt) WCAG AA × Fail

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 78.1027, 91.7627, 85.5470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

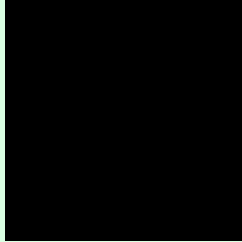
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

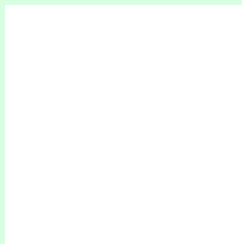
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.1027, 91.7627, 85.5470

Background



This preview shows how black text looks on a background with the XYZ color 78.1027, 91.7627, 85.5470.



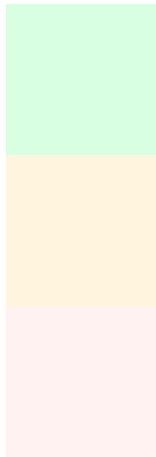
This preview shows how white text looks on a background with the XYZ color 78.1027, 91.7627,

85.5470.

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

78.1027, 91.7627, 85.5470

Protanopia

86.6418, 91.1818, 81.4400

Deuteranopia

88.7203, 91.0555, 95.3375



Tritanopia

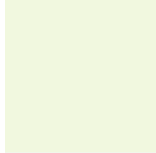
86.2358, 91.7461, 107.7714

Trichromacy



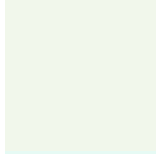
Original Color

78.1027, 91.7627, 85.5470



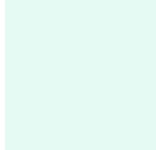
Protanomaly

83.1623, 91.1633, 83.0252



Deuteranomaly

84.5318, 91.2205, 91.7493



Tritanomaly

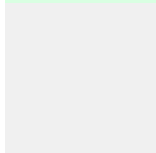
83.1479, 91.7259, 98.9105

Monochromacy



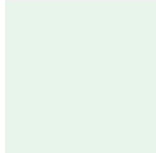
Original Color

78.1027, 91.7627, 85.5470



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.9265, 88.4588, 91.4062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1027, 91.7627, 85.5470 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(217, 255, 226)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 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(217, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 78.1027, 91.7627, 85.5470 is called "border". The border property can be set on classes, ids or directly on the HTML element.

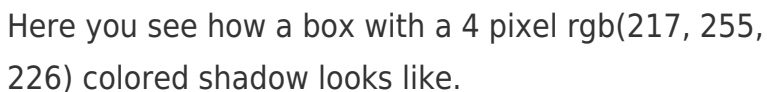
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 255, 226) }
```


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

```
.border{ border-color:rgb(217, 255, 226) }
```

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



Here you see how a box with a 4 pixel rgb(217, 255, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 226);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1027, 91.7627, 85.5470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 226) }
```

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

```
.background{ background-color: rgb(217,  
255, 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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