

Converting Colors

XYZ(78.0766, 91.7242, 86.6777)

Have a look what the booklet for
XYZ(78.0766, 91.7242, 86.6777)
contains.

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Color

**XYZ(78.0825, 91.7204,
86.9872)**

Conversions

Conversions Part 1

Format	Color
Hex	D8FFE4
RGB	216, 255, 228
RGB Percent	85%, 100%, 89%
CMY	0.1529, 0.0000, 0.1059
CMYK	0.15, 0.00, 0.11, 0.00
HSL	138°, 100%, 92%
HSV	138°, 15%, 100%
XYZ	78.0825, 91.7204, 86.9872
YIQ	240.2610, -14.5770, -16.6650

Conversions

Conversions Part 2

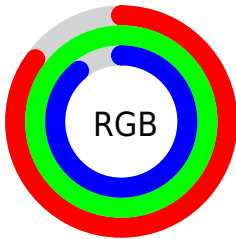
Format	Color
R _Y B	216, 246, 255
Decimal	14221284
CIE Lab	96.71, -17.52, 8.74
CIE LCh	97, 19.578, 153.481
Yxy	91.7204, 0.3041, 0.3572
Android (android.graphics.Color)	4292411364 (0xFFD8FFE4)
YUV	240.2610, -6.0447, -21.2769
Hunter-Lab	95.7708, -22.0667, 13.1873

Details

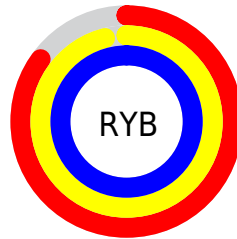
The XYZ color **78.0825, 91.7204, 86.9872** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81.9739, 76.8436, 95.3056**, and the grayscale version is **83.0825, 87.4092, 95.1886**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4349, 50.9824, 47.1392** is the 20% darker color. If you saturate the color by 10%, you get **68.7971, 87.2024, 74.4065**, and if you desaturate by 10%, it is **88.7888, 96.9419, 100.9436**.

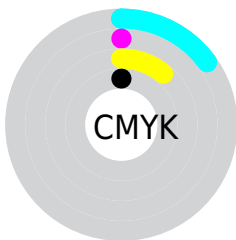
Distribution



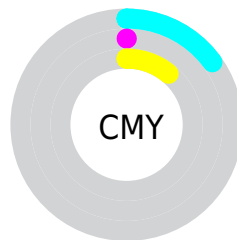
- Red (85%)
- Green (100%)
- Blue (89%)



- Red (85%)
- Yellow (96%)
- 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 78.0825, 91.7204, 86.9872 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 78.0825, 91.7204, 86.9872 by changing the saturation by 10% instead.

78.0825, 91.7204,
86.9872

78.0825, 91.7204,
86.9872

477.2825,
533.6115, 538.4959

58.4448, 69.4084,
64.9250

129.6312,
149.7258, 145.0450

42.4110, 51.0444,
46.9493

162.2728,
186.1880, 181.8777

29.6157, 36.2439,
32.6416

199.9798,
228.1358, 224.4711

19.6937, 24.6227,
21.5831

243.1175,
275.9535, 273.2436

12.2796, 15.7961,
13.3555

292.0513,
330.0255, 328.6138

7.0079, 9.3800,
7.5402

347.1465,

3.5134, 4.9899,

390.7363, 391.0002

3.7187

408.7684,
458.4701, 460.8214

■ 1.4307, 2.2413,
1.4723

■ 0.2780, 0.7424,
0.1972

■ 78.0825, 91.7204,
86.9872

■ 78.0825, 91.7204,
86.9872

■ 68.7971, 87.2024,
74.4065

■ 88.7888, 96.9419,
100.9436

■ 60.8691, 83.3562,
63.1552

95.0500, 100.0000,
108.9000

■ 54.2334, 80.1490,
53.1909

■ 48.8187, 77.5451,
44.4672

■ 44.5463, 75.5049,
36.9348

■ 41.3279, 73.9840,
30.5411

■ 39.0616, 72.9309,
25.2294

■ 37.6228, 72.2826,
20.9378

■ 37.1519, 72.0768,
19.2498

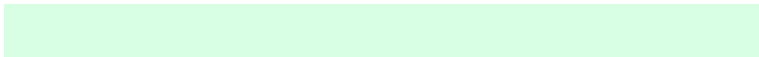
Harmonies

Analogous

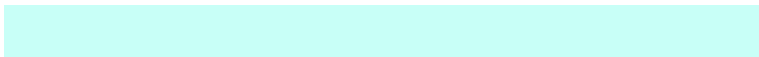
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4914, 91.7204, 76.7473



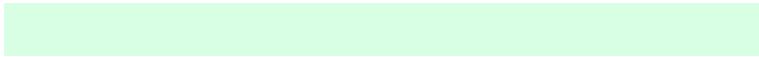
78.0825, 91.7204, 86.9872



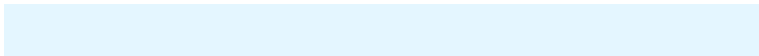
77.0745, 91.7204, 101.7117

Triad

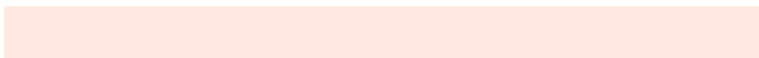
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.0825, 91.7204, 86.9872



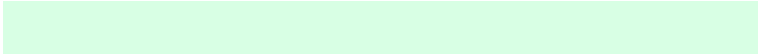
87.8189, 91.7204, 133.1296



96.2674, 91.7204, 84.1242

Complementary

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



78.0825, 91.7204, 86.9872



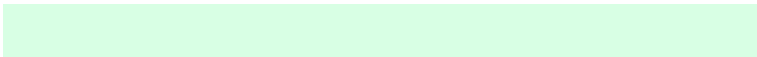
81.9739, 76.8436, 95.3056

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.



98.1269, 91.7204, 98.0465



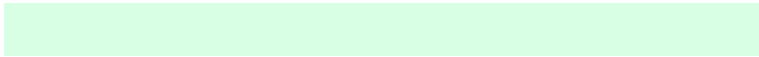
78.0825, 91.7204, 86.9872



93.1221, 91.7204, 127.2200

Square

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



78.0825, 91.7204, 86.9872



82.5556, 91.7204, 129.3857



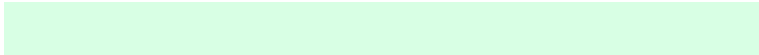
96.9526, 91.7204, 113.9613



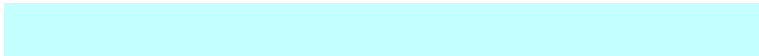
91.9688, 91.7204, 75.2201

Rectangle

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



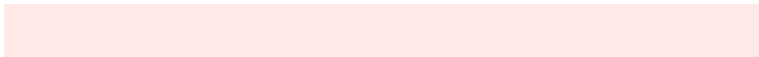
78.0825, 91.7204, 86.9872



77.8632, 91.7204, 112.3843



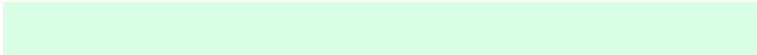
96.9526, 91.7204, 113.9613



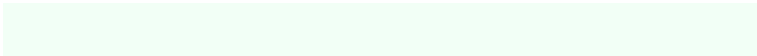
97.2064, 91.7204, 88.3171

Sweetspot

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



78.0833, 91.7207, 86.9886



89.1250, 97.1060, 101.3743



85.2208, 95.5862, 78.9252



18.9046, 20.7008, 21.4780



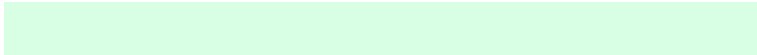
0.0000, 0.0000, 0.0000



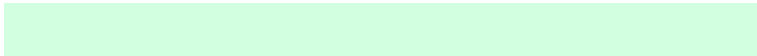
20.3446, 21.4041, 23.3091

Same Dimension

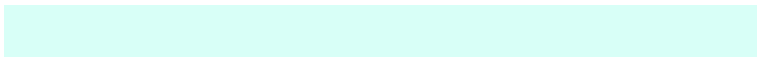
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0833, 91.7207, 86.9886



75.4323, 90.4297, 83.4494



80.8988, 92.8470, 101.8153



18.0017, 20.2602, 20.3119



19.4709, 37.6850, 10.3650



1.9422, 3.6878, 1.2535

Inverse Universe

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



81.9739, 76.8436, 95.3056



79.9237, 73.2535, 93.0489



79.2239, 75.7436, 80.8243



18.5407, 18.1996, 21.4644



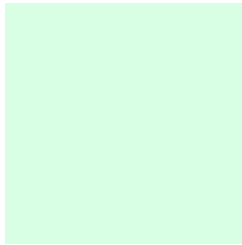
25.7411, 12.7857, 23.0848



2.5553, 1.2645, 2.5054

Previews

White Background



This preview shows how the XYZ color 78.0825, 91.7204, 86.9872 looks on a white background.

Color Contrast Check

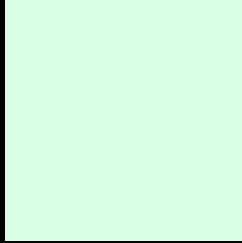
Large Text (above 18pt) WCAG AA × Fail

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 78.0825, 91.7204, 86.9872 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

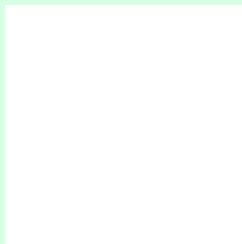
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.0825, 91.7204, 86.9872

Background



This preview shows how black text looks on a background with the XYZ color 78.0825, 91.7204, 86.9872.



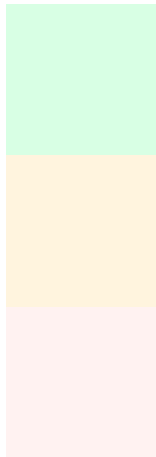
This preview shows how white text looks on a background with the XYZ color 78.0825, 91.7204,

86.9872.

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

78.0825, 91.7204, 86.9872

Protanopia

86.7755, 91.2353, 82.1439

Deuteranopia

88.8693, 91.1151, 96.1222



Tritanopia

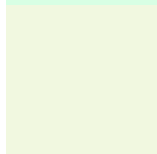
86.2358, 91.7461, 107.7714

Trichromacy



Original Color

78.0825, 91.7204, 86.9872



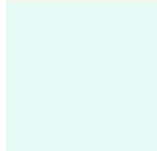
Protanomaly

83.2976, 91.2174, 83.7375



Deuteranomaly

84.6767, 91.2784, 92.5124



Tritanomaly

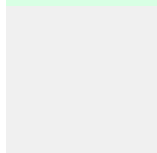
82.9801, 91.6218, 99.6975

Monochromacy



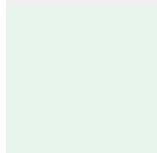
Original Color

78.0825, 91.7204, 86.9872



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.7477, 88.3499, 92.1543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.0825, 91.7204, 86.9872 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(216, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 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(216, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 228) }
```

Border

The CSS property to change the border of an element to XYZ 78.0825, 91.7204, 86.9872 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(216, 255, 228) }
```


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

```
.border{ border-color:rgb(216, 255, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 78.0825, 91.7204, 86.9872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 228) }
```

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

```
.background{ background-color: rgb(216,  
255, 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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