

Converting Colors

XYZ(82.2673, 93.9902, 87.3121)

Have a look what the booklet for
XYZ(82.2673, 93.9902, 87.3121)
contains.

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Color

**XYZ(82.0767, 93.7794,
87.1741)**

Conversions

Conversions Part 1

Format	Color
Hex	E5FFE4
RGB	229, 255, 228
RGB Percent	90%, 100%, 89%
CMY	0.1020, 0.0000, 0.1059
CMYK	0.10, 0.00, 0.11, 0.00
HSL	118°, 100%, 95%
HSV	118°, 11%, 100%
XYZ	82.0767, 93.7794, 87.1741
YIQ	244.1480, -6.8290, -13.9090

Conversions

Conversions Part 2

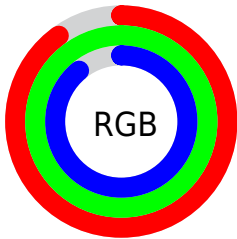
Format	Color
R_{YB}	228, 255, 254
Decimal	15073252
CIE Lab	97.54, -13.27, 10.05
CIE LCh	98, 16.651, 142.864
Yxy	93.7794, 0.3120, 0.3565
Android (android.graphics.Color)	4293263332 (0xFFE5FFE4)
YUV	244.1480, -7.9610, -13.2848
Hunter-Lab	96.8398, -18.1816, 14.4156

Details

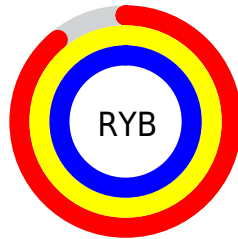
The XYZ color **82.0767, 93.7794, 87.1741** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **86.6671, 83.7787, 106.2108**, and the grayscale version is **86.1727, 90.6604, 98.7291**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9705, 52.2895, 47.2579** is the 20% darker color. If you saturate the color by 10%, you get **71.5045, 88.7086, 69.5430**, and if you desaturate by 10%, it is **94.2810, 99.6313, 107.6099**.

Distribution



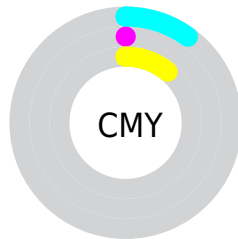
- Red (90%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (100%)



- Cyan (10%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.0767, 93.7794, 87.1741 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 82.0767, 93.7794, 87.1741 by changing the saturation by 10% instead.


 82.0767, 93.7794,
87.1741

 82.0767, 93.7794,
87.1741


490.5348,
540.2499, 539.1258

 61.7431, 71.1195,
65.0788


135.2168,
152.5772, 145.3078

 45.0800, 52.4397,
47.0733


168.7540,
189.4839, 182.1833

 31.7220, 37.3557,
32.7388


207.4231,
231.9083, 224.8227

 21.3037, 25.4830,
21.6570

251.5895,
280.2348, 273.6444

 13.4599, 16.4373,
13.4092

301.6185,
334.8479, 329.0670

 7.8252, 9.8341,
7.5769

357.8755,

 4.0342, 5.2891,

396.1318, 391.5091

3.7415

420.7258,
464.4710, 461.3892

■ 1.7215, 2.4179,
1.4847

■ 0.4697, 0.8351,
0.2065

■ 82.0767, 93.7794,
87.1741

■ 82.0767, 93.7794,
87.1741

■ 71.5045, 88.7086,
69.5430

94.2810, 99.6313,
107.6099

■ 62.4928, 84.3845,
54.5901

95.0500, 100.0000,
108.9000

■ 54.9686, 80.7724,
42.1858

■ 48.8518, 77.8340,
32.1880

■ 44.0550, 75.5277,
24.4407

■ 40.4809, 73.8070,
18.7696

■ 38.0187, 72.6191,
14.9747

■ 36.5380, 71.9020,
12.8170

■ 35.8782, 71.5809,
11.9255

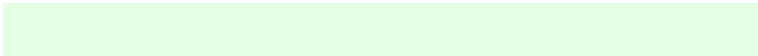
Harmonies

Analogous

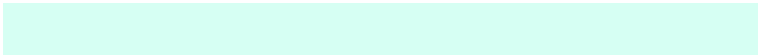
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6461, 93.7794, 79.9344



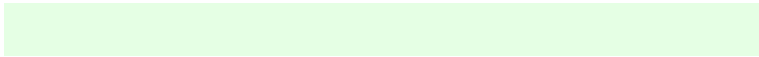
82.0767, 93.7794, 87.1741



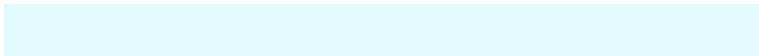
80.4086, 93.7794, 98.9073

Triad

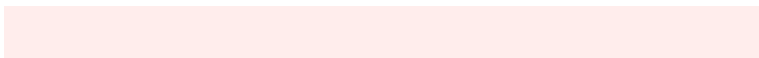
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.0767, 93.7794, 87.1741



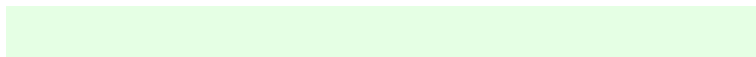
88.0092, 93.7794, 130.2064



97.7829, 93.7794, 92.3170

Complementary

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



82.0767, 93.7794, 87.1741



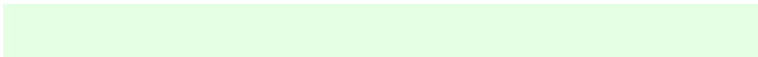
86.6671, 83.7787, 106.2108

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.



98.4699, 93.7794, 105.3807



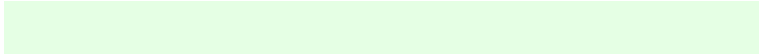
82.0767, 93.7794, 87.1741



92.7163, 93.7794, 128.0484

Square

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



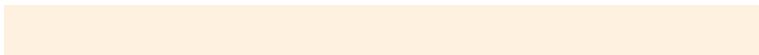
82.0767, 93.7794, 87.1741



83.7542, 93.7794, 124.3214



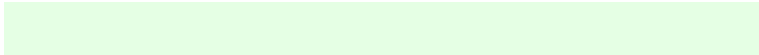
96.5857, 93.7794, 118.6609



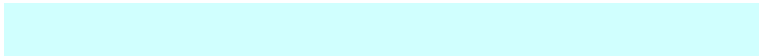
94.7404, 93.7794, 82.7151

Rectangle

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



82.0767, 93.7794, 87.1741



80.5561, 93.7794, 108.0213



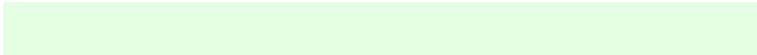
96.5857, 93.7794, 118.6609



98.3013, 93.7794, 96.4180

Sweetspot

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



82.0775, 93.7798, 87.1756



91.1841, 98.1465, 102.4174



90.5747, 97.5233, 87.4503



19.3015, 20.9040, 21.5601



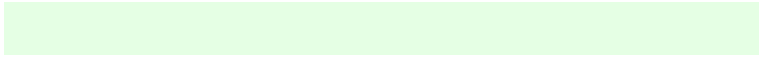
0.0000, 0.0000, 0.0000



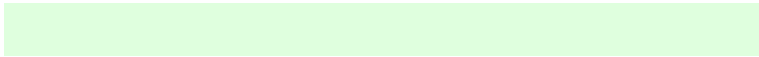
20.3446, 21.4041, 23.3091

Same Dimension

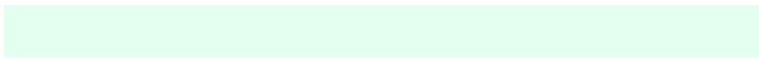
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.0775, 93.7798, 87.1756



79.3800, 92.4862, 82.6697



83.5061, 94.3145, 96.3591



17.8337, 20.2002, 19.1034



18.7740, 37.4164, 6.2326



1.8489, 3.6539, 0.6078

Inverse Universe

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



86.6671, 83.7787, 106.2108



84.9213, 80.4108, 105.6527



85.1391, 83.2099, 96.2498



18.7223, 18.2641, 22.7885



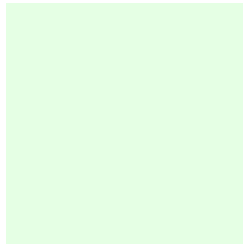
29.2390, 13.9837, 50.5926



2.8668, 1.3718, 4.9270

Previews

White Background



This preview shows how the XYZ color 82.0767, 93.7794, 87.1741 looks on a white background.

Color Contrast Check

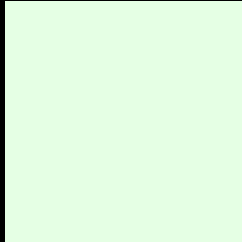
Large Text (above 18pt) WCAG AA × Fail

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 82.0767, 93.7794, 87.1741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

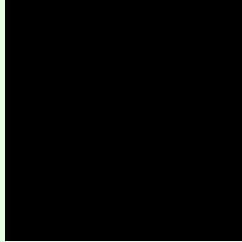
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

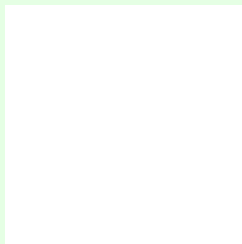
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.0767, 93.7794, 87.1741

Background



This preview shows how black text looks on a background with the XYZ color 82.0767, 93.7794, 87.1741.



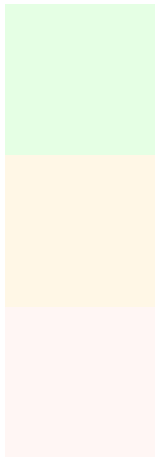
This preview shows how white text looks on a background with the XYZ color 82.0767, 93.7794,

87.1741.

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

82.0767, 93.7794, 87.1741

Protanopia

88.7837, 93.4947, 88.2298

Deuteranopia

90.5249, 93.7032, 98.9033

Tritanopia

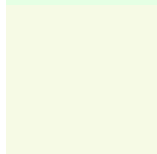
88.9256, 93.5879, 107.9851

Trichromacy



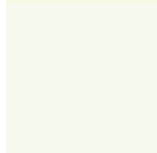
Original Color

82.0767, 93.7794, 87.1741



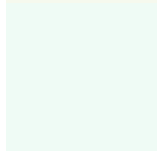
Protanomaly

86.3345, 93.6212, 87.6491



Deuteranomaly

87.3143, 93.5172, 94.3376



Tritanomaly

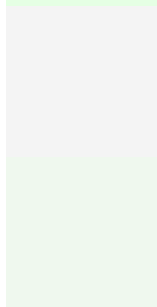
86.5752, 93.9377, 99.9550

Monochromacy



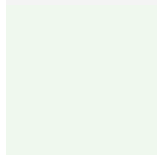
Original Color

82.0767, 93.7794, 87.1741



Achromatopsia

85.9880, 90.4661, 98.5176



Achromatomaly

84.5966, 91.6586, 94.1221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.0767, 93.7794, 87.1741 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(229, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 228) }
```

Border

The CSS property to change the border of an element to XYZ 82.0767, 93.7794, 87.1741 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(229, 255, 228) }
```


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

```
.border{ border-color:rgb(229, 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(229, 255, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 82.0767, 93.7794, 87.1741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 228) }
```

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

```
.background{ background-color: rgb(229,  
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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