

# Converting Colors

XYZ(82.7325, 94.0016, 92.4415)

Have a look what the booklet for  
XYZ(82.7325, 94.0016, 92.4415)  
contains.

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# Color

**XYZ(82.7503, 94.0121,  
92.3820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4FFEB
RGB	228, 255, 235
RGB Percent	89%, 100%, 92%
CMY	0.1059, 0.0000, 0.0784
CMYK	0.11, 0.00, 0.08, 0.00
HSL	136°, 100%, 95%
HSV	136°, 11%, 100%
XYZ	82.7503, 94.0121, 92.3820
YIQ	244.6470, -9.6720, -11.9440

# Conversions

## Conversions Part 2

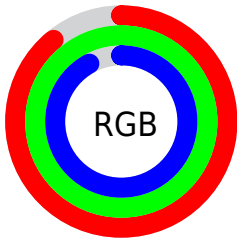
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 249, 255
Decimal	15007723
CIE <sub>Lab</sub>	97.64, -12.38, 6.59
CIE <sub>LCh</sub>	98, 14.023, 151.983
Yxy	94.0121, 0.3075, 0.3493
Android (android.graphics.Color)	4293197803 (0xFFE4FFEB)
YUV	244.6470, -4.7560, -14.5994
Hunter-Lab	96.9598, -17.3390, 11.3812

# Details

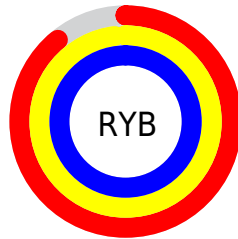
The XYZ color **82.7503, 94.0121, 92.3820** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85.9271, 83.5251, 100.3999**, and the grayscale version is **86.5496, 91.0569, 99.1609**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.3440, 52.4135, 50.3748** is the 20% darker color. If you saturate the color by 10%, you get **72.6625, 89.1104, 78.4131**, and if you desaturate by 10%, it is **94.3227, 99.6457, 107.9360**.

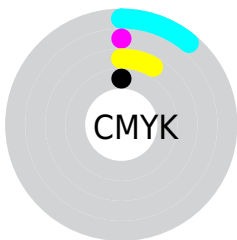
# Distribution



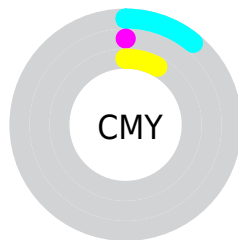
- Red (89%)
- Green (100%)
- Blue (92%)



- Red (89%)
- Yellow (98%)
- Blue (100%)



- Cyan (11%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.7503, 94.0121, 92.3820 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 82.7503, 94.0121, 92.3820 by changing the saturation by 10% instead.




 82.7503, 94.0121,  
92.3820

 82.7503, 94.0121,  
92.3820


492.7505,  
540.9975, 556.5181

 62.3004, 71.3130,  
69.3732


136.1560,  
152.8991, 152.6070

 45.5320, 52.5977,  
50.5420


169.8426,  
189.8558, 190.6603

 32.0797, 37.4817,  
35.4701

208.6720,  
232.3338, 234.5654

 21.5782, 25.5807,  
23.7388

253.0097,  
280.7175, 284.7409

 13.6622, 16.5102,  
14.9295

303.2211,  
335.3913, 341.6054

 7.9662, 9.8859,  
8.6239

359.6714,

 4.1250, 5.3234,

396.7397, 405.5774

4.4032

422.7261,  
465.1469, 477.0755

■ 1.7731, 2.4382,  
1.8491

■ 0.5014, 0.8454,  
0.4600

■ 82.7503, 94.0121,  
92.3820

■ 82.7503, 94.0121,  
92.3820

■ 72.6625, 89.1104,  
78.4131

94.3227, 99.6457,  
107.9360

■ 63.9957, 84.9089,  
65.9749

95.0500, 100.0000,  
108.9000

■ 56.6856, 81.3753,  
55.0164

■ 50.6615, 78.4746,  
45.4823

■ 45.8463, 76.1680,  
37.3137

■ 42.1543, 74.4129,  
30.4473

■ 39.4883, 73.1604,  
24.8152

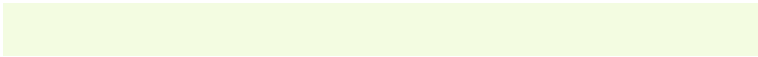
■ 37.7329, 72.3527,  
20.3428

■ 36.7468, 71.9147,  
17.1165

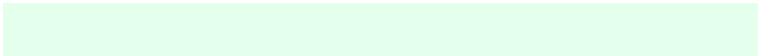
# Harmonies

## Analogous

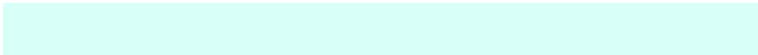
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3520, 94.0121, 84.8291



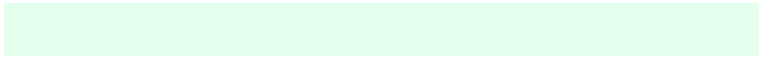
82.7503, 94.0121, 92.3820



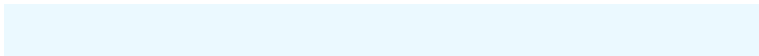
81.9031, 94.0121, 103.1257

# Triad

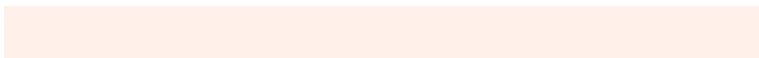
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.7503, 94.0121, 92.3820



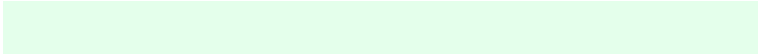
89.6215, 94.0121, 125.9381



96.0246, 94.0121, 91.1572

# Complementary

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



82.7503, 94.0121, 92.3820



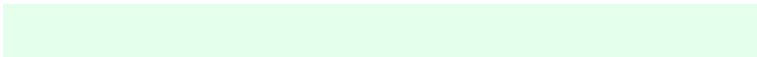
85.9271, 83.5251, 100.3999

# 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.



97.2472, 94.0121, 101.6045



82.7503, 94.0121, 92.3820



93.4826, 94.0121, 122.1609

# Square

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



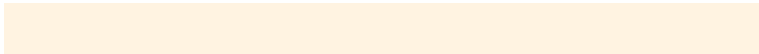
82.7503, 94.0121, 92.3820



85.7990, 94.0121, 123.0186



96.3035, 94.0121, 113.0386

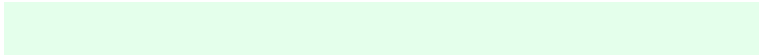


93.0094, 94.0121, 84.1598



# Rectangle

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



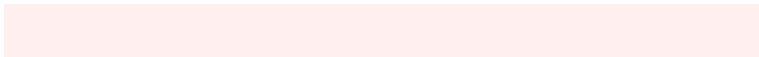
82.7503, 94.0121, 92.3820



82.4264, 94.0121, 110.8132



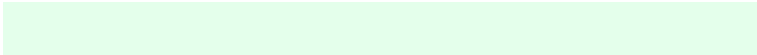
96.3035, 94.0121, 113.0386



96.6629, 94.0121, 94.3541

# Sweetspot

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



82.7511, 94.0125, 92.3835



91.3923, 98.2182, 104.0366



88.5641, 97.1238, 87.4790



19.3575, 20.9233, 21.9952



0.0000, 0.0000, 0.0000

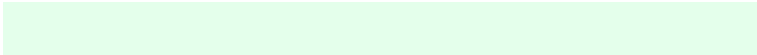


20.3446, 21.4041, 23.3091

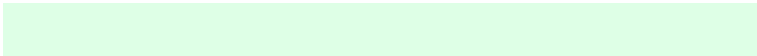


# Same Dimension

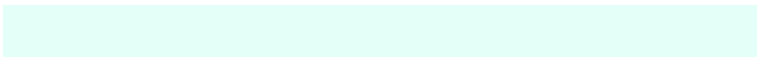
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7511, 94.0125, 92.3835



80.1838, 92.7641, 88.8702



84.7376, 94.8071, 102.8442



17.9648, 20.2455, 20.1179



19.2522, 37.5975, 9.2135



1.9169, 3.6777, 1.1200



# Inverse Universe

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



85.9271, 83.5251, 100.3999



84.0182, 80.1016, 98.5478



83.9434, 82.7316, 89.9535



18.5797, 18.2152, 21.6699



26.4060, 13.0517, 26.5860



2.6157, 1.2886, 2.8236



# Previews

## White Background



This preview shows how the XYZ color 82.7503, 94.0121, 92.3820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

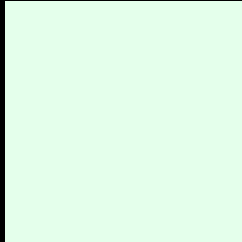
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.7503, 94.0121, 92.3820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

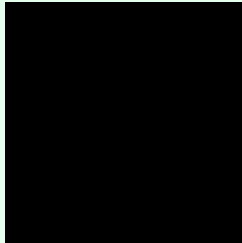
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

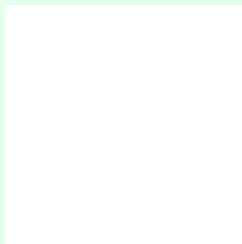
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 82.7503, 94.0121, 92.3820**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.7503, 94.0121, 92.3820.



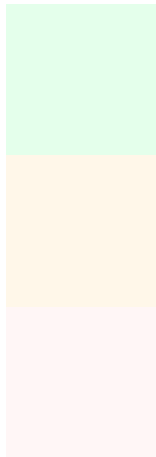
This preview shows how white text looks on a background with the XYZ color 82.7503, 94.0121,

92.3820.

# 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

82.7503, 94.0121, 92.3820

### Protanopia

89.2087, 93.6647, 90.4681

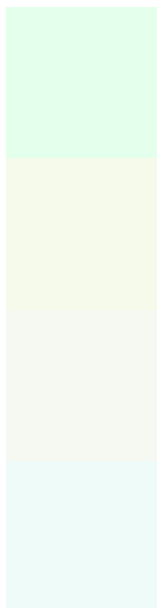
### Deuteranopia

90.8303, 93.8254, 100.5116

## Tritanopia

89.2339, 94.2045, 108.0879

# Trichromacy



## Original Color

82.7503, 94.0121, 92.3820

## Protanomaly

86.6931, 93.7242, 91.3633

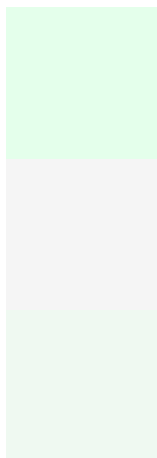
## Deuteranomaly

87.5589, 93.5746, 97.4513

## Tritanomaly

86.7004, 93.9488, 102.3713

# Monochromacy



## Original Color

82.7503, 94.0121, 92.3820

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

85.3495, 92.4530, 96.5659

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.7503, 94.0121, 92.3820 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(228, 255, 235)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 235)  
}
```

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(228, 255, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 82.7503, 94.0121, 92.3820 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(228, 255, 235) }
```



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

```
.border{ border-color:rgb(228, 255, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 255, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 235);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.7503, 94.0121, 92.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 235) }
```

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

```
.background{ background-color: rgb(228,  
255, 235) }
```

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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