

# Converting Colors

XYZ(82.8737, 94.0616, 93.0299)

Have a look what the booklet for  
XYZ(82.8737, 94.0616, 93.0299)  
contains.

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# Color

**XYZ(82.8952, 94.0701,  
93.1452)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4FFEC
RGB	228, 255, 236
RGB Percent	89%, 100%, 93%
CMY	0.1059, 0.0000, 0.0745
CMYK	0.11, 0.00, 0.07, 0.00
HSL	138°, 100%, 95%
HSV	138°, 11%, 100%
XYZ	82.8952, 94.0701, 93.1452
YIQ	244.7610, -9.9930, -11.6330

# Conversions

## Conversions Part 2

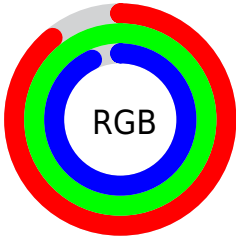
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 249, 255
Decimal	15007724
CIE <sub>Lab</sub>	97.66, -12.20, 6.11
CIE <sub>LCh</sub>	98, 13.645, 153.411
Yxy	94.0701, 0.3069, 0.3483
Android (android.graphics.Color)	4293197804 (0xFFE4FFEC)
YUV	244.7610, -4.3192, -14.6994
Hunter-Lab	96.9897, -17.1717, 10.9530

# Details

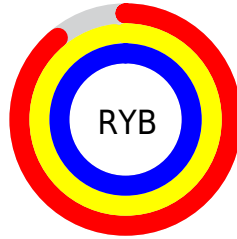
The XYZ color **82.8952, 94.0701, 93.1452** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85.7723, 83.4630, 99.5847**, and the grayscale version is **86.6379, 91.1498, 99.2621**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4456, 52.4541, 50.9094** is the 20% darker color. If you saturate the color by 10%, you get **72.9156, 89.2116, 79.7461**, and if you desaturate by 10%, it is **94.3315, 99.6492, 107.9827**.

# Distribution



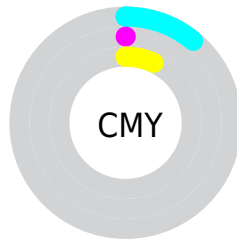
- Red (89%)
- Green (100%)
- Blue (93%)



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



- Cyan (11%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (11%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.8952, 94.0701, 93.1452 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 82.8952, 94.0701, 93.1452 by changing the saturation by 10% instead.




 82.8952, 94.0701,  
93.1452

 82.8952, 94.0701,  
93.1452


493.2264,  
541.1837, 559.0418

 62.4203, 71.3613,  
70.0039


136.3580,  
152.9793, 153.6731

 45.6293, 52.6371,  
51.0529


170.0765,  
189.9484, 191.8967

 32.1568, 37.5131,  
35.8737


208.9404,  
232.4398, 235.9848

 21.6374, 25.6050,  
24.0477

253.3149,  
280.8378, 286.3559

 13.7058, 16.5284,  
15.1565

303.5654,  
335.5267, 343.4287

 7.9967, 9.8988,  
8.7814

360.0573,

 4.1446, 5.3319,

396.8911, 407.6215

4.5040

423.1558,  
465.3153, 479.3530

■ 1.7843, 2.4433,  
1.9057

■ 0.5082, 0.8480,  
0.4964

■ 82.8952, 94.0701,  
93.1452

■ 82.8952, 94.0701,  
93.1452

■ 72.9156, 89.2116,  
79.7461

94.3315, 99.6492,  
107.9827

■ 64.3305, 85.0428,  
67.7381

95.0500, 100.0000,  
108.9000

■ 57.0770, 81.5319,  
57.0776

■ 51.0858, 78.6443,  
47.7170

■ 46.2816, 76.3422,  
39.6061

■ 42.5805, 74.5834,  
32.6914

■ 39.8870, 73.3199,  
26.9151

■ 38.0883, 72.4949,  
22.2147

■ 37.0494, 72.0357,  
18.7097

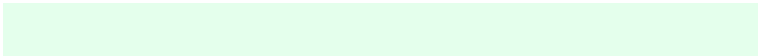
# Harmonies

## Analogous

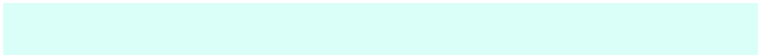
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3599, 94.0701, 85.5844



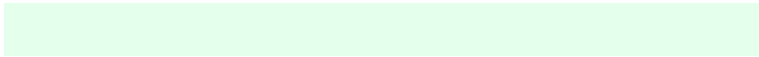
82.8952, 94.0701, 93.1452



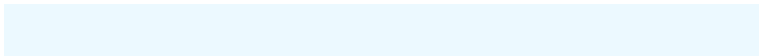
82.1587, 94.0701, 103.7045

# Triad

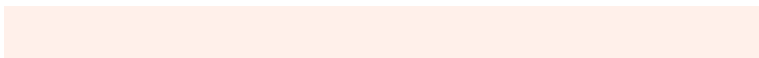
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8952, 94.0701, 93.1452



89.8560, 94.0701, 125.3030



95.7931, 94.0701, 91.0910

# Complementary

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



82.8952, 94.0701, 93.1452



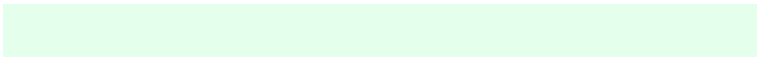
85.7723, 83.4630, 99.5847

# 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.



97.0776, 94.0701, 101.1587



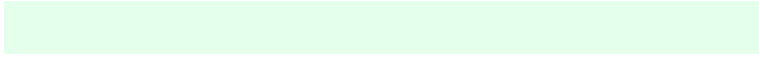
82.8952, 94.0701, 93.1452



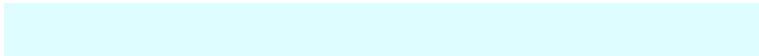
93.5879, 94.0701, 121.3444

# Square

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



82.8952, 94.0701, 93.1452



86.1085, 94.0701, 122.7752



96.2592, 94.0701, 112.3044

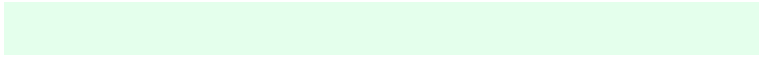


92.7965, 94.0701, 84.4601



# Rectangle

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



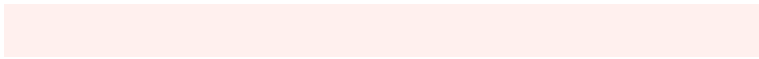
82.8952, 94.0701, 93.1452



82.7288, 94.0701, 111.1646



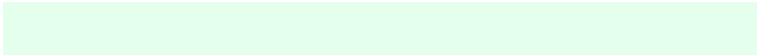
96.2592, 94.0701, 112.3044



96.4433, 94.0701, 94.1585

# Sweetspot

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



82.8960, 94.0705, 93.1467



91.4366, 98.2360, 104.2701



88.2453, 96.9595, 87.4640



19.3694, 20.9281, 22.0580



0.0000, 0.0000, 0.0000

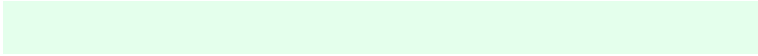


20.3446, 21.4041, 23.3091

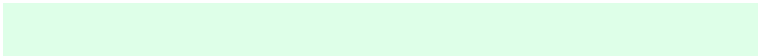


# Same Dimension

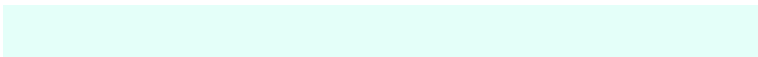
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8960, 94.0705, 93.1467



80.3574, 92.8336, 89.7842



84.8778, 94.8632, 103.5824



17.9930, 20.2567, 20.2662



19.4157, 37.6629, 10.0745



1.9359, 3.6853, 1.2205



# Inverse Universe

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



85.7723, 83.4630, 99.5847



83.8299, 80.0263, 97.5561



83.8137, 82.6796, 89.2712



18.5498, 18.2032, 21.5126



25.8923, 12.8462, 23.8810

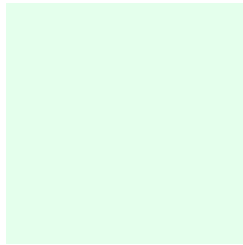


2.5691, 1.2700, 2.5782



# Previews

## White Background



This preview shows how the XYZ color 82.8952, 94.0701, 93.1452 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

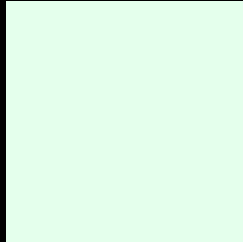
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.8952, 94.0701, 93.1452 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

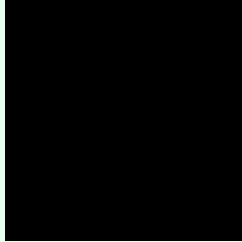
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

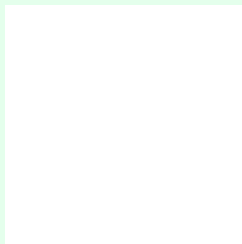
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 82.8952, 94.0701, 93.1452

## Background



This preview shows how black text looks on a background with the XYZ color 82.8952, 94.0701, 93.1452.



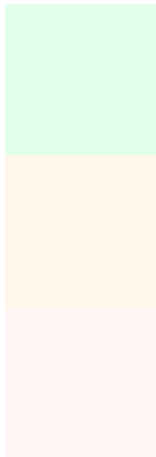
This preview shows how white text looks on a background with the XYZ color 82.8952, 94.0701,

93.1452.

# 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

82.8952, 94.0701, 93.1452

### Protanopia

89.3520, 93.7220, 91.2227

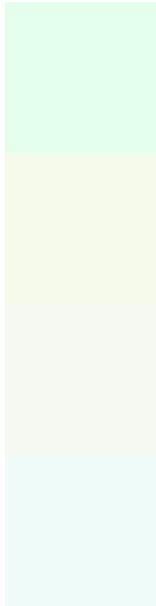
### Deuteranopia

90.8303, 93.8254, 100.5116

## Tritanopia

89.2339, 94.2045, 108.0879

# Trichromacy



## Original Color

82.8952, 94.0701, 93.1452

## Protanomaly

86.8372, 93.7819, 92.1222

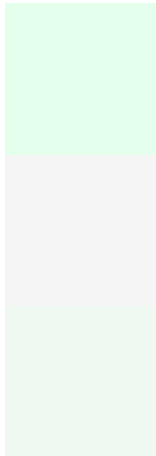
## Deuteranomaly

87.5589, 93.5746, 97.4513

## Tritanomaly

86.7004, 93.9488, 102.3713

# Monochromacy



## Original Color

82.8952, 94.0701, 93.1452

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

85.4993, 92.5129, 97.3549

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.8952, 94.0701, 93.1452 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 236) }
```

## Border

The CSS property to change the border of an element to XYZ 82.8952, 94.0701, 93.1452 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, 236) }
```



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

```
.border{ border-color:rgb(228, 255, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
236) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.8952, 94.0701, 93.1452 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, 236) }
```

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

```
.background{ background-color: rgb(228,  
255, 236) }
```

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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