

# Converting Colors

XYZ(100.4850, 129.6248,  
113.1434)

Have a look what the booklet for  
XYZ(100.4850, 129.6248, 113.1434)  
contains.

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# **Color**

**XYZ(82.5628, 93.5812,  
107.4774)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAFFFE
RGB	218, 255, 254
RGB Percent	85%, 100%, 100%
CMY	0.1451, 0.0000, 0.0039
CMYK	0.15, 0.00, 0.00, 0.00
HSL	178°, 100%, 93%
HSV	178°, 15%, 100%
XYZ	82.5628, 93.5812, 107.4774
YIQ	243.8230, -21.7310, -8.1550

# Conversions

## Conversions Part 2

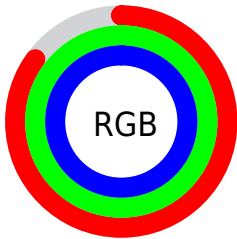
Format	Color
R <sub>Y</sub> B	218, 237, 255
Decimal	14352382
CIE Lab	97.46, -11.99, -3.51
CIE LCh	97, 12.494, 196.315
Yxy	93.5812, 0.2911, 0.3300
Android (android.graphics.Color)	4292542462 (0xFFDAFFFE)
YUV	243.8230, 5.0173, -22.6468
Hunter-Lab	96.7374, -16.9454, 1.8436

# Details

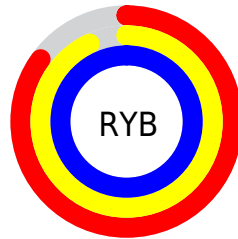
The XYZ color **82.5628, 93.5812, 107.4774** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **79.0982, 76.5184, 77.6187**, and the grayscale version is **85.8209, 90.2902, 98.3261**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.3764, 52.2059, 60.5085** is the 20% darker color. If you saturate the color by 10%, you get **75.4053, 89.9040, 106.5697**, and if you desaturate by 10%, it is **90.8958, 97.8642, 108.4451**.

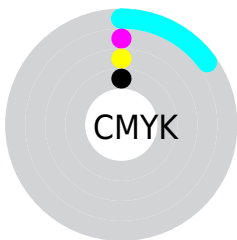
# Distribution



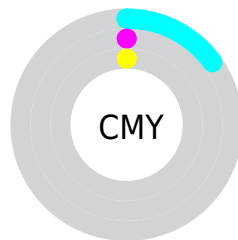
- Red (85%)
- Green (100%)
- Blue (100%)



- Red (85%)
- Yellow (93%)
- Blue (100%)



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.5628, 93.5812, 107.4774 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 82.5628, 93.5812, 107.4774 by changing the saturation by 10% instead.



82.5628, 93.5812,  
107.4774

82.5628, 93.5812,  
107.4774

492.1343,  
539.6128, 605.3593

62.1452, 70.9547,  
81.9082

135.8947,  
152.3030, 173.5367

45.4061, 52.3052,  
60.7545

169.5397,  
189.1671, 214.8638

31.9801, 37.2484,  
43.5978

208.3246,  
231.5458, 262.2806

21.5017, 25.3999,  
30.0195

252.6147,  
279.8236, 316.2057

13.6058, 16.3752,  
19.6012

302.7753,  
334.3847, 377.0576

7.9269, 9.7901,  
11.9243

359.1719,

4.0996, 5.2600,

395.6137, 445.2548

6.5703

422.1698,  
463.8950, 521.2158

■ 1.7586, 2.4006,  
3.1205

■ 0.4926, 0.8262,  
1.1565

■ 82.5628, 93.5812,  
107.4774

■ 82.5628, 93.5812,  
107.4774

■ 75.4053, 89.9040,  
106.5697

■ 90.8958, 97.8642,  
108.4451

■ 69.3669, 86.8037,  
105.7150

95.0500, 100.0000,  
108.9000

■ 64.3909, 84.2512,  
104.9121

■ 60.4147, 82.2140,  
104.1581

■ 57.3690, 80.6564,  
103.4496

■ 55.1756, 79.5381,  
102.7831

■ 53.7437, 78.8124,  
102.1543

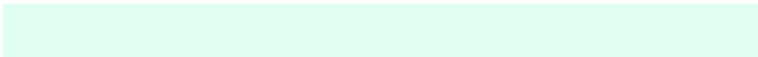
■ 52.9618, 78.4216,  
101.5579

■ 52.7219, 78.3048,  
101.2402

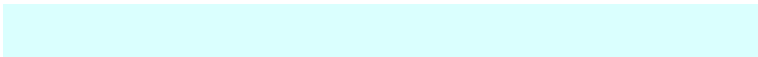
# Harmonies

## Analogous

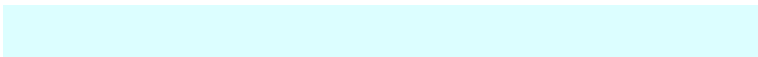
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4858, 93.5812, 97.3446



82.5628, 93.5812, 107.4774



84.3203, 93.5812, 116.6742

# Triad

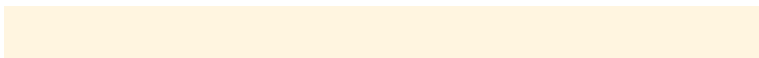
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.5628, 93.5812, 107.4774



93.9674, 93.5812, 115.9821



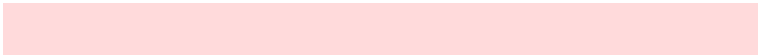
90.5687, 93.5812, 84.0779

# Complementary

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



82.5628, 93.5812, 107.4774



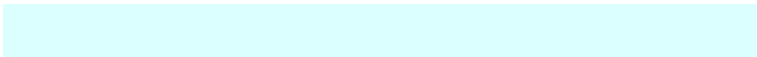
79.0982, 76.5184, 77.6187

# 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.



93.7381, 93.5812, 88.4179



82.5628, 93.5812, 107.4774



95.7353, 93.5812, 106.5830

# Square

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



82.5628, 93.5812, 107.4774



90.8749, 93.5812, 121.8030



95.6503, 93.5812, 96.5074



87.0448, 93.5812, 84.2820

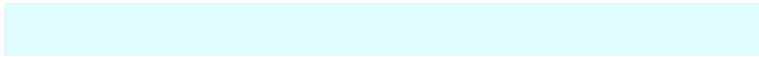


# Rectangle

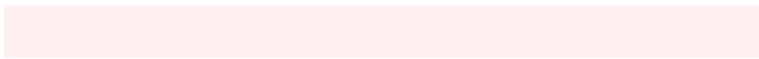
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



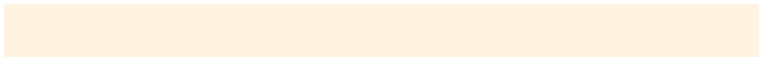
82.5628, 93.5812, 107.4774



86.2357, 93.5812, 120.8388



95.6503, 93.5812, 96.5074



91.7127, 93.5812, 85.0406

# Sweetspot

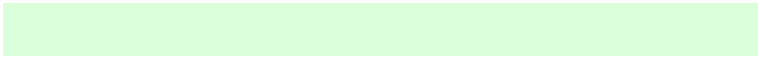
The Sweet Spot groups the original color and five complimentary colors.



82.5638, 93.5816, 107.4789



91.3522, 98.0988, 108.4958



77.6995, 91.6787, 79.9317



19.4090, 20.9231, 23.2065



0.0000, 0.0000, 0.0000

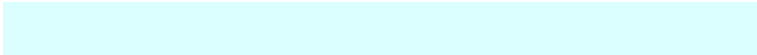


20.3446, 21.4041, 23.3091



# Same Dimension

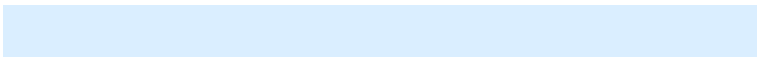
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5638, 93.5816, 107.4789



80.6728, 92.6100, 107.2472



77.4613, 83.1202, 106.5689



18.5325, 20.4725, 23.1068



27.5579, 40.9197, 52.9504



2.6897, 3.9868, 5.1895



# Inverse Universe

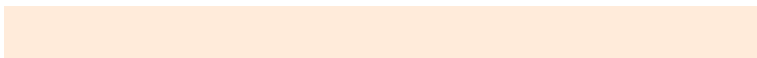
The Inverse Universe completely reimagines the original color for something new.



79.0982, 76.5184, 77.6187



76.6834, 72.9671, 72.8732



83.6802, 85.8922, 78.4996



18.0292, 17.9950, 18.7712



21.5771, 11.1201, 1.1573



2.1076, 1.0854, 0.1478



# Previews

## White Background



This preview shows how the XYZ color 82.5628, 93.5812, 107.4774 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

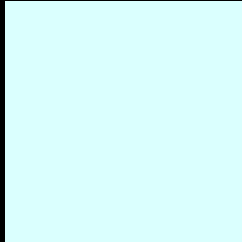
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.5628, 93.5812, 107.4774 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

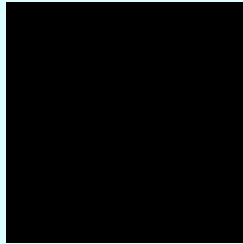
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 82.5628, 93.5812, 107.4774

## Background



This preview shows how black text looks on a background with the XYZ color 82.5628, 93.5812, 107.4774.



This preview shows how white text looks on a background with the XYZ color 82.5628, 93.5812,

107.4774.

# Color Blindness Simulation

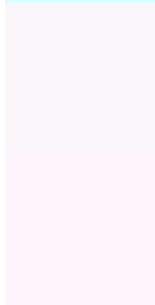
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

82.5628, 93.5812, 107.4774



### Protanopia

89.8383, 93.2603, 102.8886

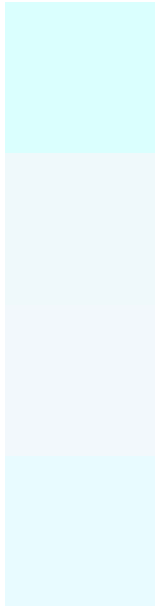
### Deuteranopia

91.0033, 92.9264, 104.4070

## **Tritanopia**

87.8609, 93.4966, 108.0236

# Trichromacy



## Original Color

82.5628, 93.5812, 107.4774

## Protanomaly

86.8849, 93.0671, 104.6512

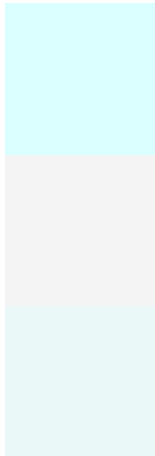
## Deuteranomaly

87.7560, 93.0403, 105.4288

## Tritanomaly

85.8259, 93.3702, 108.1065

# Monochromacy



## Original Color

82.5628, 93.5812, 107.4774

## Achromatopsia

85.9880, 90.4661, 98.5176

## Achromatomaly

84.7716, 91.5743, 102.0146

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.5628, 93.5812, 107.4774 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(218, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 254)  
}
```

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(218, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 82.5628, 93.5812, 107.4774 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(218, 255, 254) }
```



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

```
.border{ border-color:rgb(218, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.5628, 93.5812, 107.4774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 254) }
```

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

```
.background{ background-color: rgb(218,  
255, 254) }
```

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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