

# Converting Colors

XYZ(85.7402, 93.5012,  
105.0432)

Have a look what the booklet for  
XYZ(85.7402, 93.5012, 105.0432)  
contains.

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# Color

**XYZ(85.5140, 93.2830,  
104.7651)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E9FBFB
RGB	233, 251, 251
RGB Percent	91%, 98%, 98%
CMY	0.0863, 0.0157, 0.0157
CMYK	0.07, 0.00, 0.00, 0.02
HSL	180°, 69%, 95%
HSV	180°, 7%, 98%
XYZ	85.5140, 93.2830, 104.7651
YIQ	245.6180, -10.7280, -3.8160

# Conversions

## Conversions Part 2

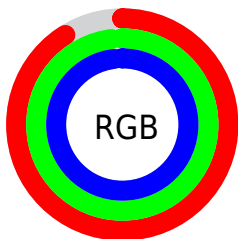
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 242, 251
Decimal	15334395
CIE <sub>Lab</sub>	97.34, -5.85, -2.03
CIE <sub>LCh</sub>	97, 6.195, 199.114
Yxy	93.2830, 0.3016, 0.3290
Android (android.graphics.Color)	4293524475 (0xFFE9FBFB)
YUV	245.6180, 2.6533, -11.0660
Hunter-Lab	96.5831, -10.9779, 3.2955

# Details

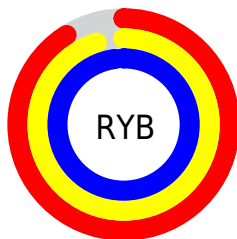
The XYZ color **85.5140, 93.2830, 104.7651** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.6339, 84.6727, 89.0306**, and the grayscale version is **87.2766, 91.8217, 99.9939**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4969, 52.3175, 59.2247** is the 20% darker color. If you saturate the color by 10%, you get **77.8956, 89.3582, 104.4061**, and if you desaturate by 10%, it is **93.1526, 97.2233, 105.1290**.

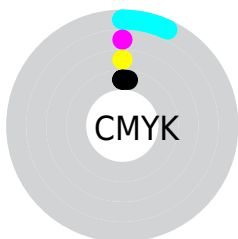
# Distribution



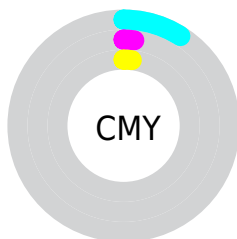
- Red (91%)
- Green (98%)
- Blue (98%)



- Red (91%)
- Yellow (95%)
- Blue (98%)



- Cyan (7%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



- Cyan (9%)
- Magenta (2%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.5140, 93.2830, 104.7651 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 85.5140, 93.2830, 104.7651 by changing the saturation by 10% instead.



85.5140, 93.2830,  
104.7651

85.5140, 93.2830,  
104.7651

501.7854,  
538.6535, 596.7410

64.5901, 70.7067,  
79.6470

140.0014,  
151.8904, 169.7990

47.3922, 52.1029,  
58.9035

174.2956,  
188.6903, 210.5520

33.5551, 37.0871,  
42.1159

213.7773,  
231.0001, 257.3536

22.7133, 25.2749,  
28.8658

258.8118,  
279.2044, 310.6224

14.5015, 16.2820,  
18.7346

309.7646,  
333.6875, 370.7771

8.5543, 9.7239,  
11.3038

367.0008,

4.5064, 5.2163,

394.8338, 438.2360

6.1548

430.8860,  
463.0276, 513.4178

■ 1.9924, 2.3747,  
2.8692

■ 0.6297, 0.8128,  
1.0282

■ 85.5140, 93.2830,  
104.7651

■ 85.5140, 93.2830,  
104.7651

■ 77.8956, 89.3582,  
104.4061

■ 93.1526, 97.2233,  
105.1290

■ 71.3912, 86.0052,  
104.0972

■ 93.1535, 97.2237,  
105.1334

■ 65.9509, 83.2007,  
103.8382

■ 93.1543, 97.2240,  
105.1379

■ 61.5181, 80.9156,  
103.6263

■ 93.1552, 97.2243,  
105.1424

■ 58.0311, 79.1181,  
103.4587

■ 93.1560, 97.2247,  
105.1469

■ 55.4211, 77.7727,  
103.3321

■ 93.1569, 97.2250,  
105.1514

■ 53.6102, 76.8392,  
103.2429

■ 93.1577, 97.2254,  
105.1558

■ 52.5068, 76.2705,  
103.1868

■ 93.1586, 97.2257,  
105.1603

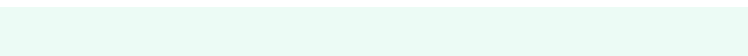
■ 51.9930, 76.0057,  
103.1583

■ 93.1594, 97.2260,  
105.1648

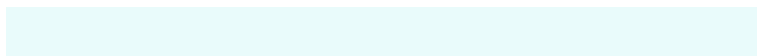
# Harmonies

## Analogous

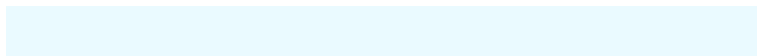
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3918, 93.2830, 99.7561



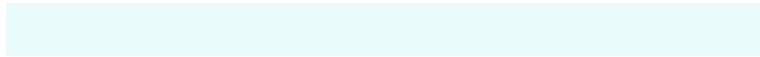
85.5140, 93.2830, 104.7651



86.4734, 93.2830, 109.0481

# Triad

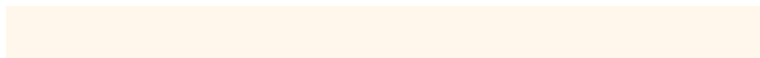
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5140, 93.2830, 104.7651



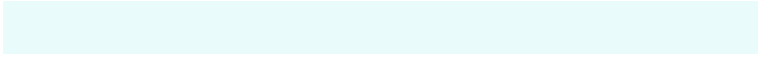
91.2370, 93.2830, 108.0238



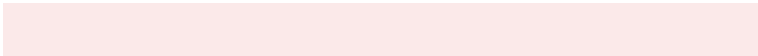
89.3012, 93.2830, 92.3763

# Complementary

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



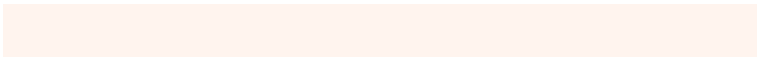
85.5140, 93.2830, 104.7651



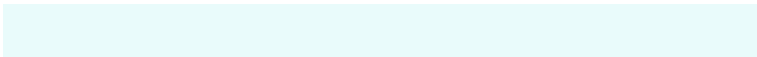
83.6339, 84.6727, 89.0306

# 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.



90.8887, 93.2830, 94.4406



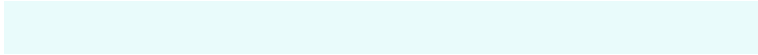
85.5140, 93.2830, 104.7651



92.0161, 93.2830, 103.4044

# Square

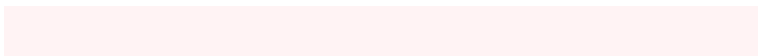
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5140, 93.2830, 104.7651



89.7717, 93.2830, 110.9719



91.8877, 93.2830, 98.4392



87.5629, 93.2830, 92.7134

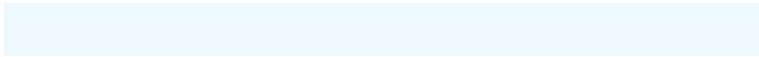


# Rectangle

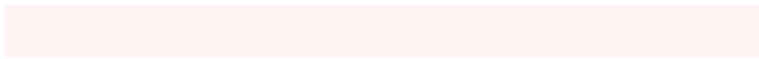
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



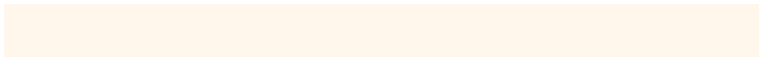
85.5140, 93.2830, 104.7651



87.4657, 93.2830, 110.8636



91.8877, 93.2830, 98.4392



89.8705, 93.2830, 92.8096

# Sweetspot

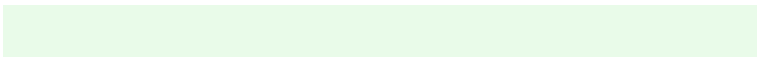
The Sweet Spot groups the original color and five complimentary colors.



85.5167, 93.2869, 104.7672



93.1983, 99.0455, 108.8124



82.9101, 92.2556, 90.5295



19.9677, 21.2098, 23.2913



0.0000, 0.0000, 0.0000

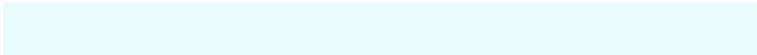


20.3446, 21.4041, 23.3091

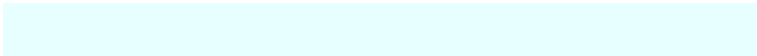


# Same Dimension

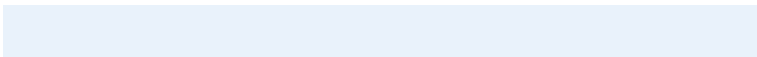
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5167, 93.2869, 104.7672



87.1042, 95.9039, 108.5240



82.8610, 87.9746, 103.8849



17.7657, 19.6086, 22.2329



27.2815, 39.9256, 54.2191

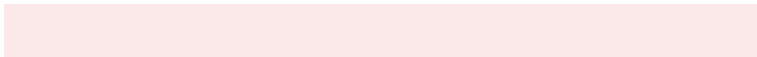


2.5268, 3.6978, 5.0219

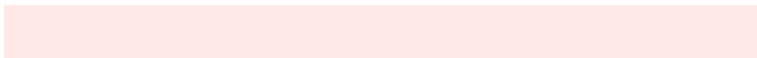


# Inverse Universe

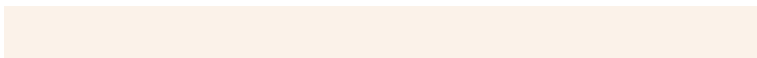
The Inverse Universe completely reimagines the original color for something new.



83.6339, 84.6727, 89.0306



84.6840, 84.8307, 88.2955



86.1579, 89.7216, 89.8692



17.2448, 17.2253, 17.8791



20.9121, 10.7806, 0.9798

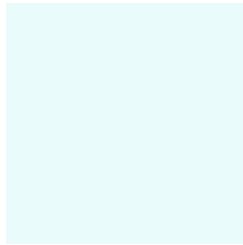


1.9369, 0.9985, 0.0910



# Previews

## White Background



This preview shows how the XYZ color 85.5140, 93.2830, 104.7651 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

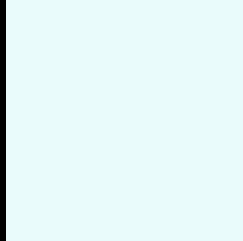
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.5140, 93.2830, 104.7651 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

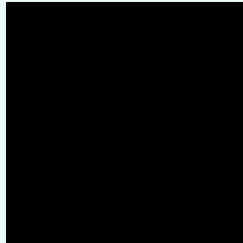
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 85.5140, 93.2830, 104.7651

## Background



This preview shows how black text looks on a background with the XYZ color 85.5140, 93.2830, 104.7651.



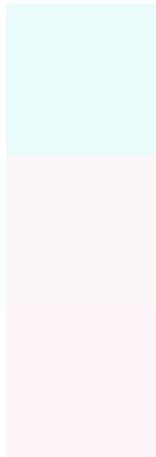
This preview shows how white text looks on a background with the XYZ color 85.5140, 93.2830,

104.7651.

# 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

85.5140, 93.2830, 104.7651

### Protanopia

89.6827, 93.1981, 102.0692

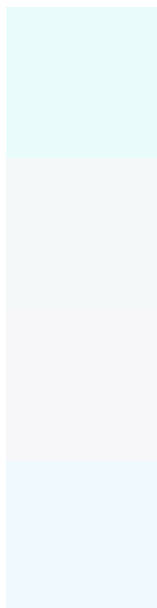
### Deuteranopia

90.6896, 92.8009, 102.7550

## **Tritanopia**

88.5795, 93.4095, 107.9689

# Trichromacy



## Original Color

85.5140, 93.2830, 104.7651

## Protanomaly

87.9745, 93.2075, 102.9766

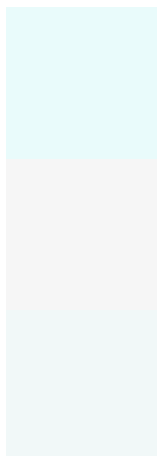
## Deuteranomaly

88.8739, 93.1978, 103.7473

## Tritanomaly

87.3617, 93.2578, 107.1620

# Monochromacy



## Original Color

85.5140, 93.2830, 104.7651

## Achromatopsia

87.5964, 92.1582, 100.3603

## Achromatomaly

86.7863, 92.6129, 102.1089

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.5140, 93.2830, 104.7651 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(233, 251, 251)` looks like.

```
.text, #text, p{  
    color:rgb(233, 251, 251)  
}
```

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(233, 251, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 251, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 85.5140, 93.2830, 104.7651 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(233, 251, 251) }
```



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

```
.border{ border-color:rgb(233, 251, 251) }
```

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

Here you see how a box with a 4 pixel rgb(233, 251, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 251, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 251, 251);  
box-shadow:4px 4px 4px 4px rgb(233, 251,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.5140, 93.2830, 104.7651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 251, 251) }
```

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

```
.background{ background-color: rgb(233,  
251, 251) }
```

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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