

# Converting Colors

XYZ(85.6217, 92.7254,  
107.9928)

Have a look what the booklet for  
XYZ(85.6217, 92.7254, 107.9928)  
contains.

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# **Color**

**XYZ(85.5143, 92.7470,  
108.0026)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8FAFF
RGB	232, 250, 255
RGB Percent	91%, 98%, 100%
CMY	0.0902, 0.0196, 0.0000
CMYK	0.09, 0.02, 0.00, 0.00
HSL	193°, 100%, 95%
HSV	193°, 9%, 100%
XYZ	85.5143, 92.7470, 108.0026
YIQ	245.1880, -12.3330, -2.2610

# Conversions

## Conversions Part 2

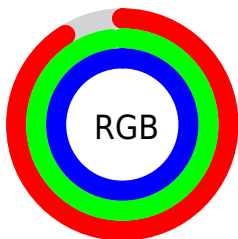
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 242, 255
Decimal	15268607
CIE Lab	97.12, -4.92, -4.42
CIE LCh	97, 6.608, 221.943
Yxy	92.7470, 0.2987, 0.3240
Android (android.graphics.Color)	4293458687 (0xFFE8FAFF)
YUV	245.1880, 4.8373, -11.5659
Hunter-Lab	96.3052, -10.0350, 0.9222

# Details

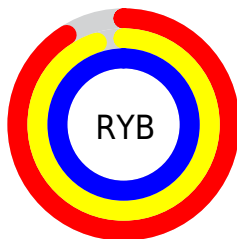
The XYZ color **85.5143, 92.7470, 108.0026** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.0890, 87.6527, 88.7268**, and the grayscale version is **86.9138, 91.4401, 99.5783**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.3893, 51.8909, 60.9443** is the 20% darker color. If you saturate the color by 10%, you get **76.1348, 85.3969, 107.0783**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

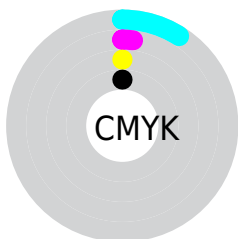
# Distribution



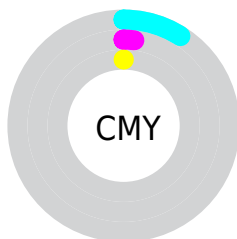
- Red (91%)
- Green (98%)
- Blue (100%)



- Red (91%)
- Yellow (95%)
- Blue (100%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.5143, 92.7470, 108.0026 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 85.5143, 92.7470, 108.0026 by changing the saturation by 10% instead.




 85.5143, 92.7470,  
108.0026

 85.5143, 92.7470,  
108.0026


501.7864,  
536.9268, 607.0207

 64.5903, 70.2612,  
82.3464


140.0018,  
151.1483, 174.2593

 47.3924, 51.7395,  
61.1136


174.2961,  
187.8326, 215.6970

 33.5552, 36.7975,  
43.8857

213.7779,  
230.0186, 263.2322

 22.7134, 25.0507,  
30.2442

258.8125,  
278.0906, 317.2835

 14.5016, 16.1149,  
19.7704

309.7653,  
332.4330, 378.2695

 8.5544, 9.6055,  
12.0458

367.0016,

 4.5064, 5.1382,

393.4302, 446.6087

6.6520

430.8869,  
461.4667, 522.7195

■ 1.9924, 2.3286,  
3.1703

■ 0.6297, 0.7888,  
1.1822

■ 85.5143, 92.7470,  
108.0026

■ 85.5143, 92.7470,  
108.0026

■ 76.1348, 85.3969,  
107.0783

95.0500, 100.0000,  
108.9000

■ 67.9525, 78.7359,  
106.2238

■ 60.9141, 72.7383,  
105.4371

■ 54.9595, 67.3725,  
104.7153

■ 50.0227, 62.6039,  
104.0550

■ 46.0304, 58.3939,  
103.4528

■ 42.8988, 54.6987,  
102.9046

■ 40.5287, 51.4664,  
102.4057

■ 38.7738, 48.6210,  
101.9489

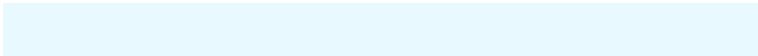
# Harmonies

## Analogous

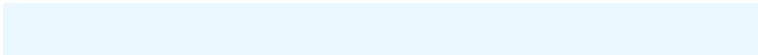
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6932, 92.7470, 103.1247



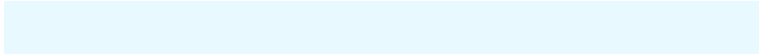
85.5143, 92.7470, 108.0026



87.0470, 92.7470, 111.0619

# Triad

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



85.5143, 92.7470, 108.0026



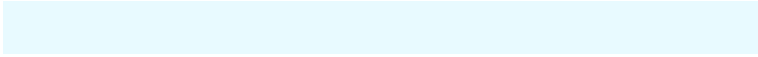
91.6047, 92.7470, 104.2007



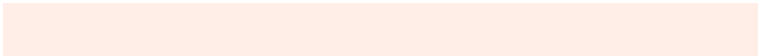
87.4137, 92.7470, 91.2731

# Complementary

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



85.5143, 92.7470, 108.0026



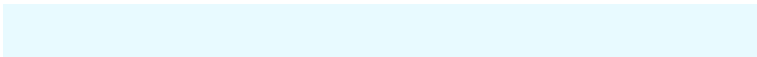
86.0890, 87.6527, 88.7268

# Split Complementary

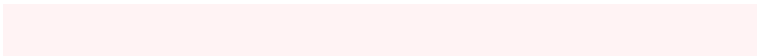
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.2688, 92.7470, 91.5382



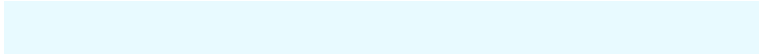
85.5143, 92.7470, 108.0026



91.7062, 92.7470, 98.8765

# Square

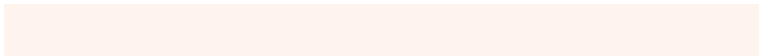
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5143, 92.7470, 108.0026



90.5704, 92.7470, 108.8141



90.8459, 92.7470, 94.2795

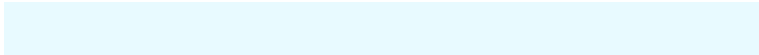


85.7794, 92.7470, 93.5421

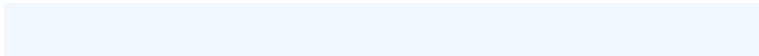


# Rectangle

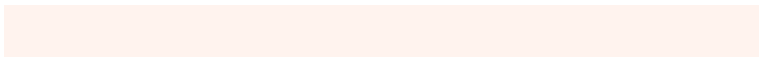
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



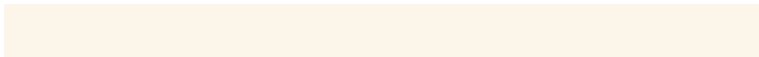
85.5143, 92.7470, 108.0026



88.2748, 92.7470, 111.5950



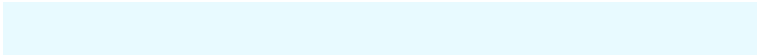
90.8459, 92.7470, 94.2795



88.0318, 92.7470, 91.0711

# Sweetspot

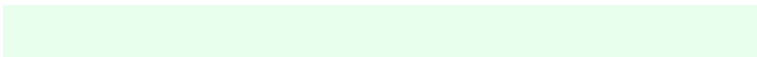
The Sweet Spot groups the original color and five complimentary colors.



85.5167, 92.7508, 108.0032



91.7636, 97.5224, 108.5950



84.3232, 94.7897, 93.9612



19.4574, 20.7345, 23.2266



0.0000, 0.0000, 0.0000

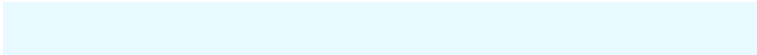


20.3446, 21.4041, 23.3091

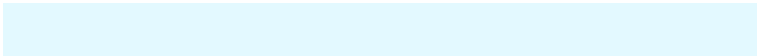


# Same Dimension

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



85.5167, 92.7508, 108.0032



83.5601, 91.2375, 107.8142



82.0550, 85.8274, 106.8493



18.2005, 19.7725, 23.1072



20.2926, 25.4948, 53.2860



2.0549, 2.6404, 5.2146



# Inverse Universe

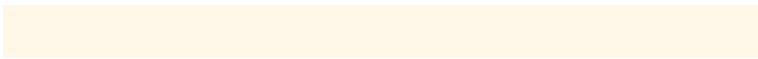
The Inverse Universe completely reimagines the original color for something new.



87.3534, 85.8769, 102.4189



85.7800, 83.0047, 101.0480



89.5222, 94.5191, 89.8712



18.6138, 18.2288, 21.8495



27.0310, 13.3017, 29.8772

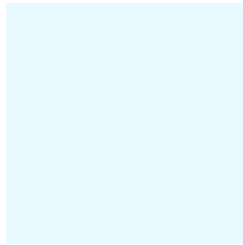


2.6718, 1.3111, 3.1192



# Previews

## White Background



This preview shows how the XYZ color 85.5143, 92.7470, 108.0026 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

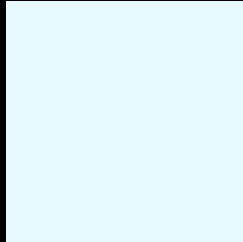
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.5143, 92.7470, 108.0026 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

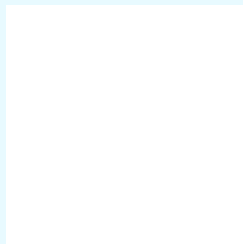
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 85.5143, 92.7470, 108.0026

## Background



This preview shows how black text looks on a background with the XYZ color 85.5143, 92.7470, 108.0026.



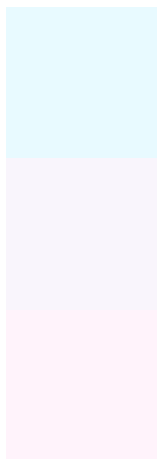
This preview shows how white text looks on a background with the XYZ color 85.5143, 92.7470,



# 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

85.5143, 92.7470, 108.0026

### Protanopia

89.2900, 92.4728, 105.2384

### Deuteranopia

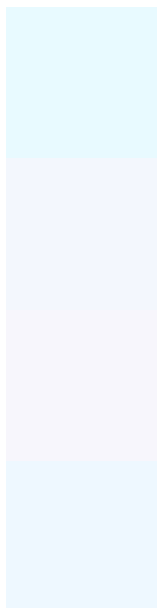
90.7032, 92.3262, 104.3070



## Tritanopia

87.9287, 92.6188, 107.8506

# Trichromacy



## Original Color

85.5143, 92.7470, 108.0026

## Protanomaly

87.9525, 92.6681, 106.1796

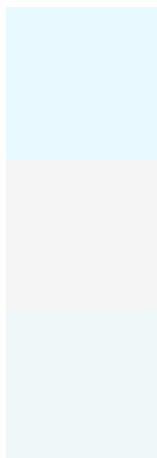
## Deuteranomaly

88.8842, 92.7140, 105.3063

## Tritanomaly

86.8773, 92.5319, 107.8893

# Monochromacy



## Original Color

85.5143, 92.7470, 108.0026

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

86.2948, 91.8863, 102.8101

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.5143, 92.7470, 108.0026 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(232, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 250, 255)  
}
```

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(232, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 250, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 85.5143, 92.7470, 108.0026 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(232, 250, 255) }
```



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

```
.border{ border-color:rgb(232, 250, 255) }
```

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

Here you see how a box with a 4 pixel rgb(232, 250, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 250,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.5143, 92.7470, 108.0026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 250, 255) }
```

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

```
.background{ background-color: rgb(232,  
250, 255) }
```

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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