

# Converting Colors

XYZ(84.9290, 92.2308,  
107.9338)

Have a look what the booklet for  
XYZ(84.9290, 92.2308, 107.9338)  
contains.

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# **Color**

**XYZ(85.1906, 92.5801,  
107.9875)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7FAFF
RGB	231, 250, 255
RGB Percent	91%, 98%, 100%
CMY	0.0941, 0.0196, 0.0000
CMYK	0.09, 0.02, 0.00, 0.00
HSL	192°, 100%, 95%
HSV	192°, 9%, 100%
XYZ	85.1906, 92.5801, 107.9875
YIQ	244.8890, -12.9290, -2.4730

# Conversions

## Conversions Part 2

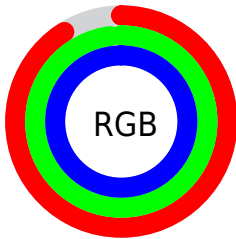
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 242, 255
Decimal	15203071
CIE Lab	97.06, -5.23, -4.52
CIE LCh	97, 6.917, 220.851
Yxy	92.5801, 0.2981, 0.3240
Android (android.graphics.Color)	4293393151 (0xFFE7FAFF)
YUV	244.8890, 4.9847, -12.1807
Hunter-Lab	96.2186, -10.3410, 0.8109

# Details

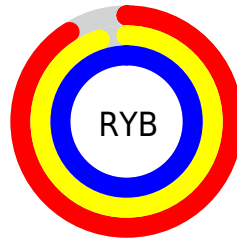
The XYZ color **85.1906, 92.5801, 107.9875** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.6586, 87.0187, 87.8845**, and the grayscale version is **86.6726, 91.1863, 99.3018**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1640, 51.7748, 60.9338** is the 20% darker color. If you saturate the color by 10%, you get **75.9268, 85.3930, 107.0885**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

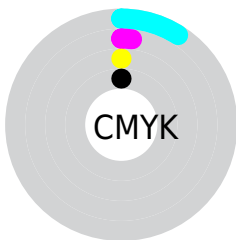
# Distribution



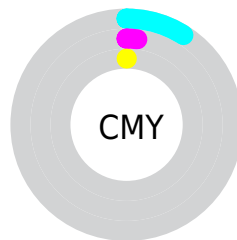
- Red (91%)
- Green (98%)
- Blue (100%)



- 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 85.1906, 92.5801, 107.9875 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 85.1906, 92.5801, 107.9875 by changing the saturation by 10% instead.




 85.1906, 92.5801,  
107.9875

 85.1906, 92.5801,  
107.9875


500.7327,  
536.3886, 606.9730

 64.3219, 70.1225,  
82.3338


139.5521,  
150.9171, 174.2386

 47.1741, 51.6264,  
61.1033


173.7756,  
187.5654, 215.6730

 33.3818, 36.7074,  
43.8775

213.1814,  
229.7127, 263.2049

 22.5797, 24.9810,  
30.2377

258.1349,  
277.7435, 317.2525

 14.4025, 16.0629,  
19.7655

309.0014,  
332.0420, 378.2347

 8.4847, 9.5687,  
12.0423

366.1463,

 4.4610, 5.1139,

392.9928, 446.5698

6.6496

429.9350,  
460.9802, 522.6763

■ 1.9661, 2.3143,  
3.1688

■ 0.6148, 0.7812,  
1.1815

■ 85.1906, 92.5801,  
107.9875

■ 85.1906, 92.5801,  
107.9875

■ 75.9268, 85.3930,  
107.0885

95.0500, 100.0000,  
108.9000

■ 67.8540, 78.8858,  
106.2579

■ 60.9189, 73.0328,  
105.4937

■ 55.0611, 67.8024,  
104.7929

■ 50.2146, 63.1599,  
104.1522

■ 46.3056, 59.0668,  
103.5682

■ 43.2500, 55.4791,  
103.0368

■ 40.9478, 52.3446,  
102.5531

■ 39.2458, 49.5838,  
102.1099

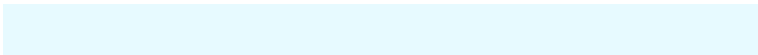
# Harmonies

## Analogous

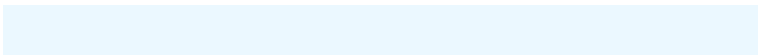
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3656, 92.5801, 102.8378



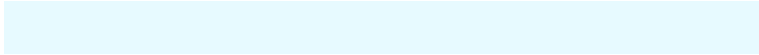
85.1906, 92.5801, 107.9875



86.7712, 92.5801, 111.2852

# Triad

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



85.1906, 92.5801, 107.9875



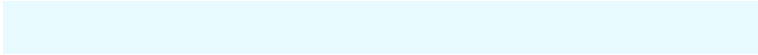
91.5820, 92.5801, 104.3653



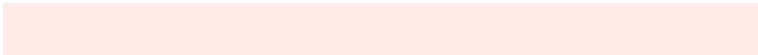
87.2911, 92.5801, 90.6276

# Complementary

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



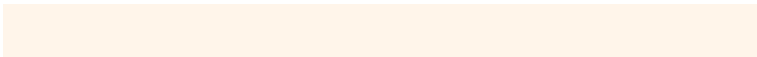
85.1906, 92.5801, 107.9875



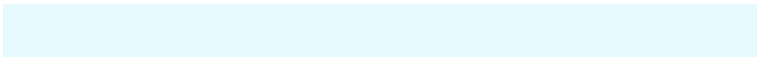
85.6586, 87.0187, 87.8845

# Split Complementary

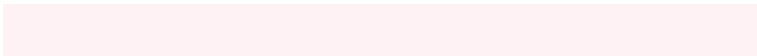
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.2295, 92.5801, 91.0025



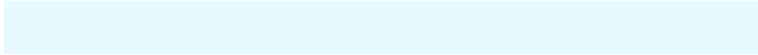
85.1906, 92.5801, 107.9875



91.7262, 92.5801, 98.7972

# Square

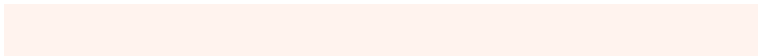
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.1906, 92.5801, 107.9875



90.4684, 92.5801, 109.1411



90.8595, 92.5801, 93.9463

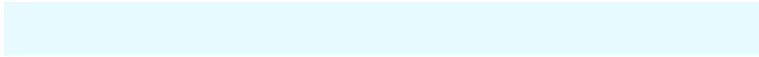


85.5663, 92.5801, 92.9026

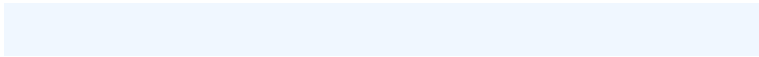


# Rectangle

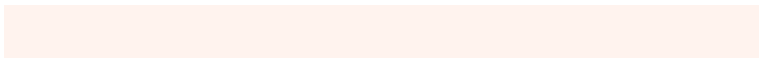
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.1906, 92.5801, 107.9875



88.0503, 92.5801, 111.9194



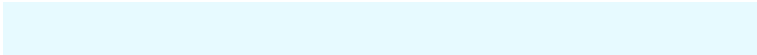
90.8595, 92.5801, 93.9463



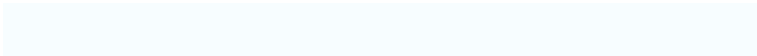
87.9390, 92.5801, 90.4501

# Sweetspot

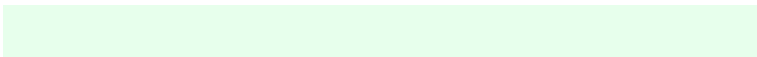
The Sweet Spot groups the original color and five complimentary colors.



85.1930, 92.5839, 107.9881



91.7855, 97.5662, 108.6023



83.8272, 94.5539, 93.0385



19.4633, 20.7463, 23.2286



0.0000, 0.0000, 0.0000

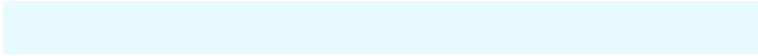


20.3446, 21.4041, 23.3091

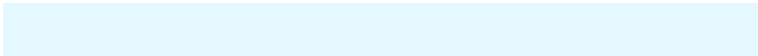


# Same Dimension

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



85.1930, 92.5839, 107.9881



83.6386, 91.3944, 107.8404



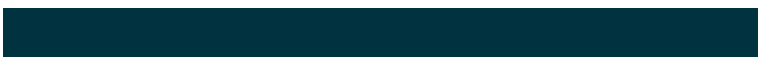
81.6389, 85.4758, 106.8034



18.2150, 19.8017, 23.1120



20.5700, 26.0497, 53.3785



2.0796, 2.6900, 5.2229



# Inverse Universe

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



87.0727, 85.3155, 102.3253



85.8196, 83.0205, 101.2565



89.1703, 94.0419, 89.0550



18.6212, 18.2318, 21.8883



27.1710, 13.3577, 30.6146

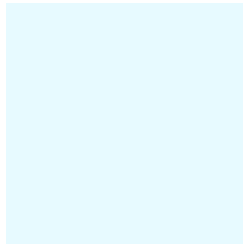


2.6843, 1.3161, 3.1850



# Previews

## White Background



This preview shows how the XYZ color 85.1906, 92.5801, 107.9875 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

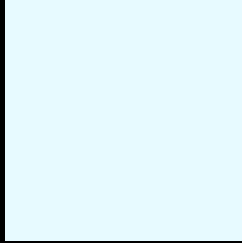
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.1906, 92.5801, 107.9875 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 85.1906, 92.5801, 107.9875

## Background



This preview shows how black text looks on a background with the XYZ color 85.1906, 92.5801, 107.9875.



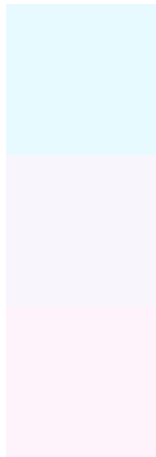
This preview shows how white text looks on a background with the XYZ color 85.1906, 92.5801,

107.9875.

# 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

85.1906, 92.5801, 107.9875

### Protanopia

89.2900, 92.4728, 105.2384

### Deuteranopia

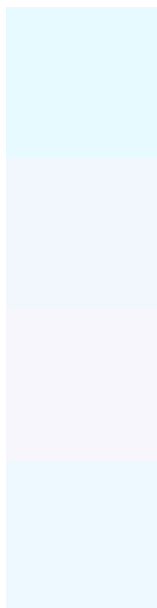
90.7032, 92.3262, 104.3070



## Tritanopia

87.5864, 92.4423, 107.8346

# Trichromacy



## Original Color

85.1906, 92.5801, 107.9875

## Protanomaly

87.6083, 92.4906, 106.1635

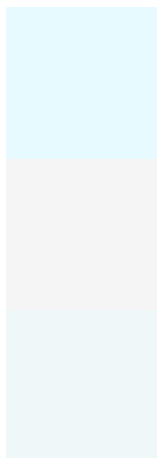
## Deuteranomaly

88.5325, 92.5326, 105.2899

## Tritanomaly

86.5425, 92.3593, 107.8736

# Monochromacy



## Original Color

85.1906, 92.5801, 107.9875

## 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 85.1906, 92.5801, 107.9875 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(231, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(231, 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(231, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 250, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 85.1906, 92.5801, 107.9875 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(231, 250, 255) }
```



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

```
.border{ border-color:rgb(231, 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(231, 250, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(231, 250,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.1906, 92.5801, 107.9875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 250, 255) }
```

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

```
.background{ background-color: rgb(231,  
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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