

# Converting Colors

XYZ(82.8799, 89.8770,  
107.5875)

Have a look what the booklet for  
XYZ(82.8799, 89.8770, 107.5875)  
contains.

<b>XYZ(82.9893, 90.0724, 107.6195)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(82.9893, 90.0724,  
107.6195)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3F7FF
RGB	227, 247, 255
RGB Percent	89%, 97%, 100%
CMY	0.1098, 0.0314, 0.0000
CMYK	0.11, 0.03, 0.00, 0.00
HSL	197°, 100%, 95%
HSV	197°, 11%, 100%
XYZ	82.9893, 90.0724, 107.6195
YIQ	241.9320, -14.4880, -1.7520

# Conversions

## Conversions Part 2

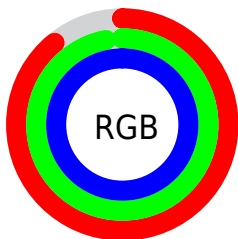
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 239, 255
Decimal	14940159
CIE Lab	96.03, -4.98, -6.07
CIE LCh	96, 7.855, 230.648
Yxy	90.0724, 0.2957, 0.3209
Android (android.graphics.Color)	4293130239 (0xFFE3F7FF)
YUV	241.9320, 6.4425, -13.0954
Hunter-Lab	94.9065, -10.0002, -0.7975

# Details

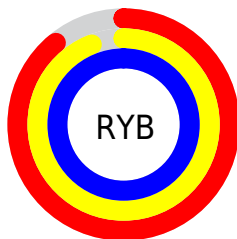
The XYZ color **82.9893, 90.0724, 107.6195** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.8128, 86.2210, 84.8468**, and the grayscale version is **84.3052, 88.6956, 96.5895**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6184, 49.9967, 60.6721** is the 20% darker color. If you saturate the color by 10%, you get **73.3515, 81.8650, 106.5432**, and if you desaturate by 10%, it is **93.9099, 99.0751, 108.7816**.

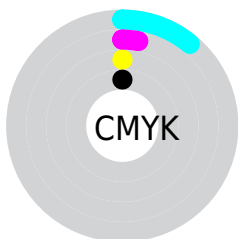
# Distribution



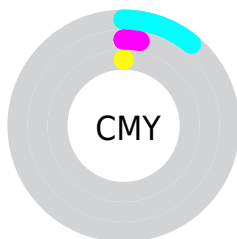
- Red (89%)
- Green (97%)
- Blue (100%)



- Red (89%)
- Yellow (94%)
- Blue (100%)



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.9893, 90.0724, 107.6195 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 82.9893, 90.0724, 107.6195 by changing the saturation by 10% instead.



82.9893, 90.0724,  
107.6195

82.9893, 90.0724,  
107.6195

493.5353,  
528.2663, 605.8090

62.4982, 68.0407,  
82.0267

136.4891,  
147.4390, 173.7322

45.6925, 49.9308,  
60.8516

170.2285,  
183.5426, 215.0893

32.2068, 35.3584,  
43.6757

209.1147,  
225.1057, 262.5382

21.6758, 23.9391,  
30.0803

253.5131,  
272.5126, 316.4974

13.7342, 15.2885,  
19.6470

303.7889,  
326.1477, 377.3856

8.0165, 9.0221,  
11.9572

360.3077,

4.1574, 4.7556,

386.3954, 445.6212

6.5923

423.4347,  
453.6402, 521.6229

■ 1.7916, 2.1046,  
3.1339

■ 0.5126, 0.6672,  
1.1634

■ 82.9893, 90.0724,  
107.6195

■ 82.9893, 90.0724,  
107.6195

■ 73.3515, 81.8650,  
106.5432

93.9099, 99.0751,  
108.7816

■ 64.9363, 74.4131,  
105.5484

95.0500, 100.0000,  
108.9000

■ 57.6891, 67.6894,  
104.6326

■ 51.5480, 61.6607,  
103.7926

■ 46.4453, 56.2903,  
103.0249

■ 42.3051, 51.5378,  
102.3258

■ 39.0407, 47.3566,  
101.6908

■ 36.5482, 43.6918,  
101.1148

■ 34.8161, 40.7522,  
100.6387

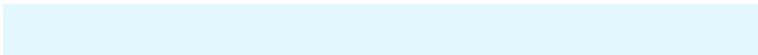
# Harmonies

## Analogous

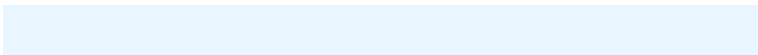
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7609, 90.0724, 102.3534



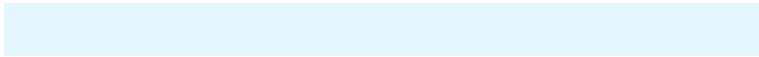
82.9893, 90.0724, 107.6195



84.9340, 90.0724, 110.3594

# Triad

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



82.9893, 90.0724, 107.6195



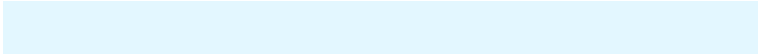
89.7999, 90.0724, 100.0307



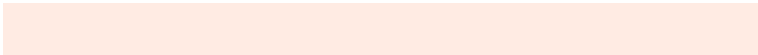
84.1464, 90.0724, 87.2980

# Complementary

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



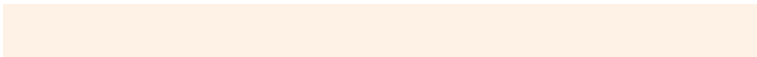
82.9893, 90.0724, 107.6195



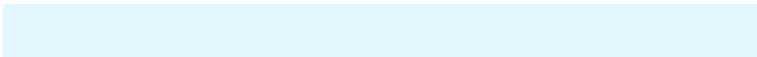
84.8128, 86.2210, 84.8468

# Split Complementary

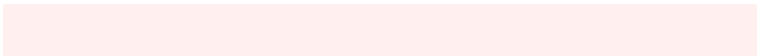
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.2918, 90.0724, 86.7351



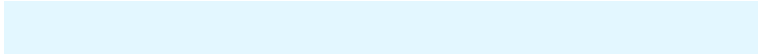
82.9893, 90.0724, 107.6195



89.5803, 90.0724, 93.9146

# Square

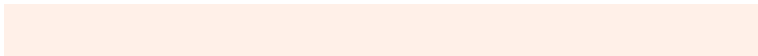
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



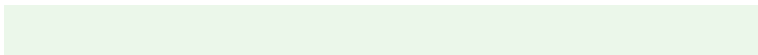
82.9893, 90.0724, 107.6195



88.8824, 90.0724, 105.8575



88.2876, 90.0724, 89.1094

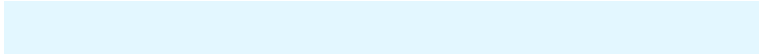


82.4211, 90.0724, 90.6808



# Rectangle

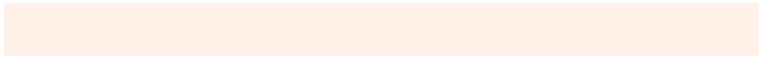
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.9893, 90.0724, 107.6195



86.3854, 90.0724, 110.3085



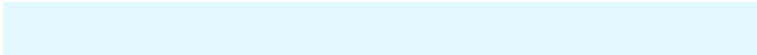
88.2876, 90.0724, 89.1094



84.8415, 90.0724, 86.7784

# Sweetspot

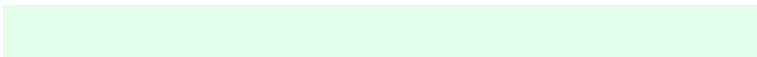
The Sweet Spot groups the original color and five complimentary colors.



82.9916, 90.0761, 107.6200



91.5984, 97.1920, 108.5399



82.4252, 93.8456, 92.3177



19.4127, 20.6451, 23.2117



0.0000, 0.0000, 0.0000

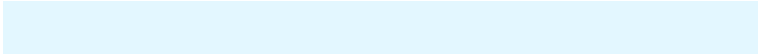


20.3446, 21.4041, 23.3091

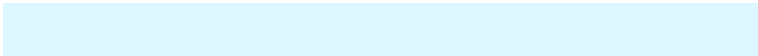


# Same Dimension

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



82.9916, 90.0761, 107.6200



80.9425, 88.3544, 107.3957



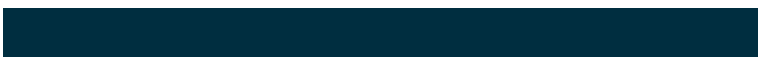
78.8875, 81.8678, 106.2520



18.0909, 19.5534, 23.0706



18.3260, 21.5617, 52.6305



1.8777, 2.2861, 5.1556



# Inverse Universe

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



85.4990, 82.9151, 99.4980



83.8846, 80.0482, 97.8441



88.9606, 94.5166, 86.2294



18.5585, 18.2067, 21.5583



26.0383, 12.9046, 24.6501

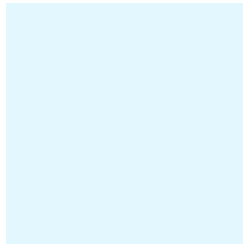


2.5824, 1.2753, 2.6482



# Previews

## White Background



This preview shows how the XYZ color 82.9893, 90.0724, 107.6195 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

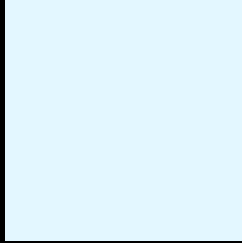
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.9893, 90.0724, 107.6195 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

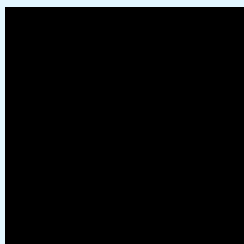
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

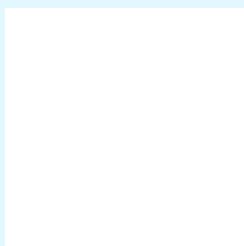
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 82.9893, 90.0724, 107.6195

## Background



This preview shows how black text looks on a background with the XYZ color 82.9893, 90.0724, 107.6195.



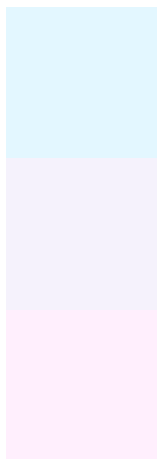
This preview shows how white text looks on a background with the XYZ color 82.9893, 90.0724,

107.6195.

# 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

82.9893, 90.0724, 107.6195

### Protanopia

86.9790, 89.9450, 104.8723

### Deuteranopia

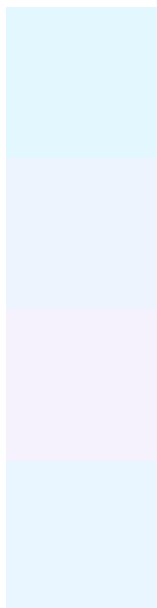
89.8361, 90.0849, 105.5817



## Tritanopia

84.9928, 89.7542, 107.4524

# Trichromacy



## Original Color

82.9893, 90.0724, 107.6195

## Protanomaly

85.3402, 89.9704, 105.7966

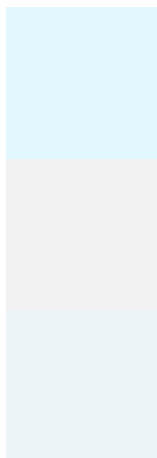
## Deuteranomaly

87.2977, 90.0725, 106.5506

## Tritanomaly

84.3067, 89.8485, 107.5068

# Monochromacy



## Original Color

82.9893, 90.0724, 107.6195

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

84.0642, 89.4213, 100.8251

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.9893, 90.0724, 107.6195 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(227, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 247, 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(227, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 247, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 82.9893, 90.0724, 107.6195 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(227, 247, 255) }
```



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

```
.border{ border-color:rgb(227, 247, 255) }
```

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

Here you see how a box with a 4 pixel rgb(227, 247, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 247,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.9893, 90.0724, 107.6195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 247, 255) }
```

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

```
.background{ background-color: rgb(227,  
247, 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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