

# Converting Colors

XYZ(82.2707, 90.2104,  
107.6840)

Have a look what the booklet for  
XYZ(82.2707, 90.2104, 107.6840)  
contains.

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# Color

**XYZ(82.3579, 90.2021,  
107.6778)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0F8FF
RGB	224, 248, 255
RGB Percent	88%, 97%, 100%
CMY	0.1216, 0.0274, 0.0000
CMYK	0.12, 0.03, 0.00, 0.00
HSL	194°, 100%, 94%
HSV	194°, 12%, 100%
XYZ	82.3579, 90.2021, 107.6778
YIQ	241.6220, -16.5510, -2.9110

# Conversions

## Conversions Part 2

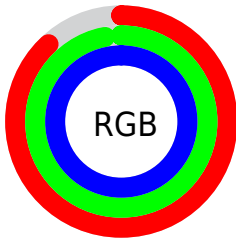
<b>Format</b>	<b>Color</b>
<b>RYB</b>	224, 238, 255
Decimal	14743807
CIELab	96.08, -6.43, -6.02
CIElCh	96, 8.804, 223.112
Yxy	90.2021, 0.2939, 0.3219
Android (android.graphics.Color)	4292933887 (0xFFE0F8FF)
YUV	241.6220, 6.5954, -15.4545
Hunter-Lab	94.9748, -11.4186, -0.7378

# Details

The XYZ color **82.3579, 90.2021, 107.6778** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.2699, 83.7921, 82.3074**, and the grayscale version is **84.0603, 88.4380, 96.3090**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4049, 50.2115, 60.7248** is the 20% darker color. If you saturate the color by 10%, you get **73.2983, 82.9481, 106.7551**, and if you desaturate by 10%, it is **92.6618, 98.1832, 108.6752**.

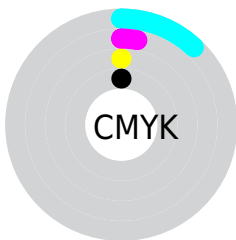
# Distribution



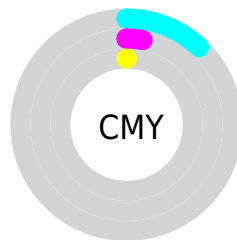
- Red (88%)
- Green (97%)
- Blue (100%)



- Red (88%)
- Yellow (93%)
- Blue (100%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.3579, 90.2021, 107.6778 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 82.3579, 90.2021, 107.6778 by changing the saturation by 10% instead.



82.3579, 90.2021,  
107.6778

82.3579, 90.2021,  
107.6778

491.4604,  
528.6881, 605.9935

61.9757, 68.1483,  
82.0754

135.6090,  
147.6191, 173.8125

45.2686, 50.0184,  
60.8915

169.2086,  
183.7510, 215.1818

31.8712, 35.4280,  
43.7076

207.9447,  
225.3445, 262.6438

21.4182, 23.9928,  
30.1052

252.1827,  
272.7838, 316.6171

13.5443, 15.3282,  
19.6657

302.2879,  
326.4535, 377.5202

7.8839, 9.0501,  
11.9706

358.6257,

4.0720, 4.7739,

386.7378, 445.7716

6.6014

421.5614,  
454.0212, 521.7898

■ 1.7429, 2.1152,  
3.1394

■ 0.4829, 0.6732,  
1.1663

■ 82.3579, 90.2021,  
107.6778

■ 82.3579, 90.2021,  
107.6778

■ 73.2983, 82.9481,  
106.7551

■ 92.6618, 98.1832,  
108.6752

■ 65.4229, 76.3821,  
105.9028

95.0500, 100.0000,  
108.9000

■ 58.6769, 70.4776,  
105.1187

■ 52.9986, 65.2022,  
104.3997

■ 48.3197, 60.5198,  
103.7425

■ 44.5640, 56.3903,  
103.1434

■ 41.6437, 52.7679,  
102.5981

■ 39.4526, 49.5969,  
102.1015

■ 38.1206, 47.3612,  
101.7402

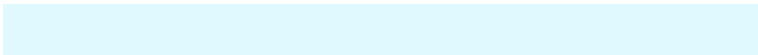
# Harmonies

## Analogous

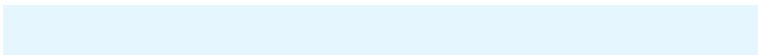
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2498, 90.2021, 101.2917



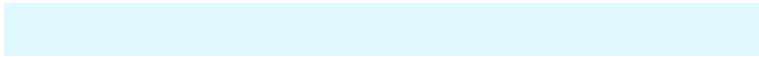
82.3579, 90.2021, 107.6778



84.3799, 90.2021, 111.6281

# Triad

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



82.3579, 90.2021, 107.6778



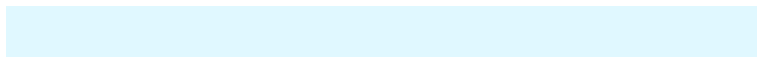
90.2982, 90.2021, 102.1663



84.6754, 90.2021, 85.7122

# Complementary

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



82.3579, 90.2021, 107.6778



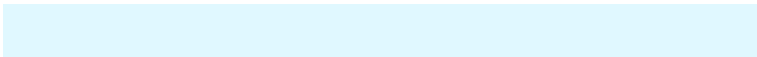
83.2699, 83.7921, 82.3074

# 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.



87.1033, 90.2021, 85.9214



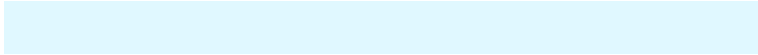
82.3579, 90.2021, 107.6778



90.3810, 90.2021, 95.2007

# Square

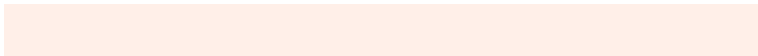
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3579, 90.2021, 107.6778



88.9779, 90.2021, 108.3441



89.2019, 90.2021, 89.3230

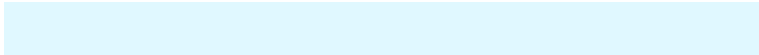


82.5707, 90.2021, 88.7373

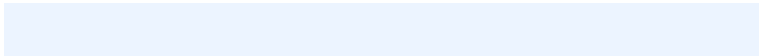


# Rectangle

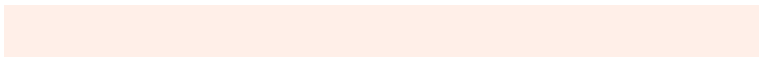
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



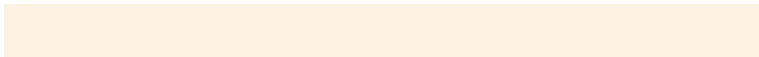
82.3579, 90.2021, 107.6778



85.9891, 90.2021, 112.2381



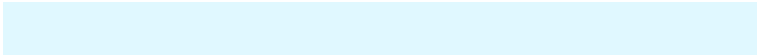
89.2019, 90.2021, 89.3230



85.4802, 90.2021, 85.4110

# Sweetspot

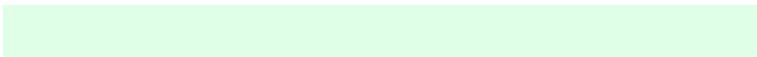
The Sweet Spot groups the original color and five complimentary colors.



82.3602, 90.2058, 107.6783



90.6666, 96.6568, 108.4857



80.8853, 93.1213, 89.1041



19.2348, 20.5568, 23.2040



0.0000, 0.0000, 0.0000

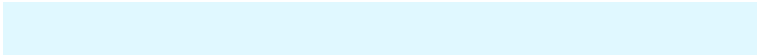


20.3446, 21.4041, 23.3091

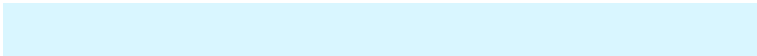


# Same Dimension

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



82.3602, 90.2058, 107.6783



79.6591, 88.0696, 107.4084



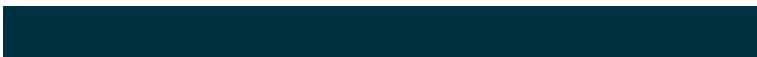
77.8693, 81.2238, 106.1814



18.1868, 19.7452, 23.1026



20.0362, 24.9820, 53.2006



2.0319, 2.5946, 5.2070



# Inverse Universe

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



84.8404, 81.3502, 100.0419



82.6797, 77.4334, 98.0743



87.7168, 92.6858, 83.7897



18.6069, 18.2261, 21.8133



26.9015, 13.2499, 29.1957

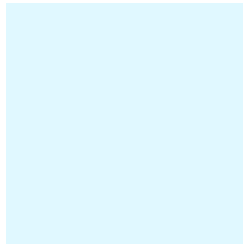


2.6602, 1.3065, 3.0582



# Previews

## White Background



This preview shows how the XYZ color 82.3579, 90.2021, 107.6778 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

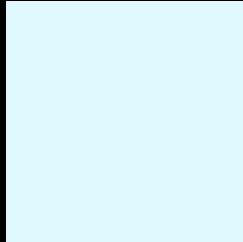
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.3579, 90.2021, 107.6778 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

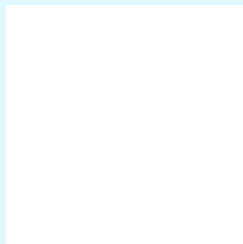
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 82.3579, 90.2021, 107.6778**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.3579, 90.2021, 107.6778.



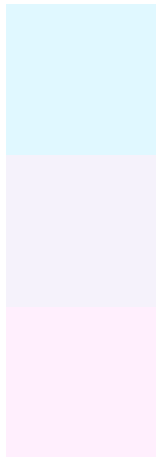
This preview shows how white text looks on a background with the XYZ color 82.3579, 90.2021,

107.6778.

# 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

82.3579, 90.2021, 107.6778

### Protanopia

86.8209, 89.8818, 104.0398

### Deuteranopia

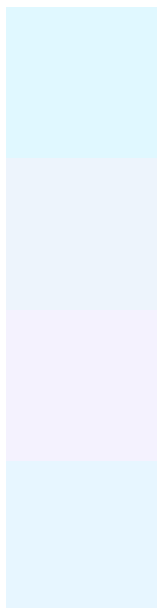
89.8361, 90.0849, 105.5817



## Tritanopia

84.9634, 90.1870, 107.5375

# Trichromacy



## Original Color

82.3579, 90.2021, 107.6778

## Protanomaly

84.8464, 89.7342, 104.9440

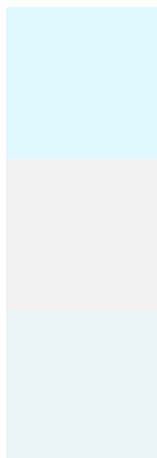
## Deuteranomaly

86.9498, 89.8931, 106.5343

## Tritanomaly

83.9608, 90.1205, 107.5775

# Monochromacy



## Original Color

82.3579, 90.2021, 107.6778

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

83.4001, 89.0789, 100.7940

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.3579, 90.2021, 107.6778 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(224, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 248, 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(224, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 248, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 82.3579, 90.2021, 107.6778 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(224, 248, 255) }
```



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

```
.border{ border-color:rgb(224, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 248,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.3579, 90.2021, 107.6778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 248, 255) }
```

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

```
.background{ background-color: rgb(224,  
248, 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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