

# Converting Colors

XYZ(80.1080, 87.8352,  
107.3395)

Have a look what the booklet for  
XYZ(80.1080, 87.8352, 107.3395)  
contains.

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# Color

**XYZ(79.9158, 87.5849,  
107.3013)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBF5FF
RGB	219, 245, 255
RGB Percent	86%, 96%, 100%
CMY	0.1412, 0.0392, 0.0000
CMYK	0.14, 0.04, 0.00, 0.00
HSL	197°, 100%, 93%
HSV	197°, 14%, 100%
XYZ	79.9158, 87.5849, 107.3013
YIQ	238.3660, -18.7060, -2.4020

# Conversions

## Conversions Part 2

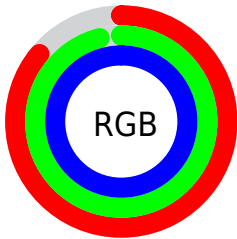
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 234, 255
Decimal	14415359
CIE <sub>Lab</sub>	94.99, -6.47, -7.67
CIE <sub>LCh</sub>	95, 10.034, 229.868
Y <sub>xy</sub>	87.5849, 0.2908, 0.3187
Android (android.graphics.Color)	4292605439 (0xFFDBF5FF)
Y <sub>UV</sub>	238.3660, 8.2006, -16.9840
Hunter-Lab	93.5868, -11.3519, -2.4678

# Details

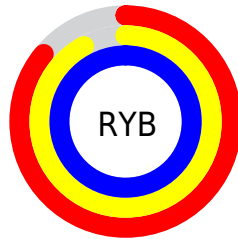
The XYZ color **79.9158, 87.5849, 107.3013** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.0449, 82.4115, 78.6022**, and the grayscale version is **81.5023, 85.7468, 93.3783**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7005, 48.3649, 60.4582** is the 20% darker color. If you saturate the color by 10%, you get **70.7234, 79.7291, 106.2695**, and if you desaturate by 10%, it is **90.3700, 96.2175, 108.4166**.

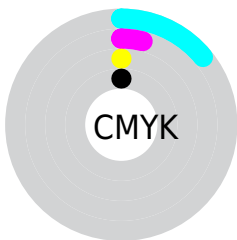
# Distribution



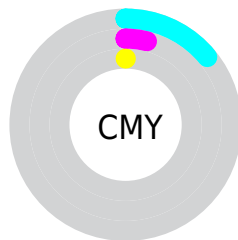
- Red (86%)
- Green (96%)
- Blue (100%)



- Red (86%)
- Yellow (92%)
- Blue (100%)



- Cyan (14%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9158, 87.5849, 107.3013 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 79.9158, 87.5849, 107.3013 by changing the saturation by 10% instead.



79.9158, 87.5849,  
107.3013

79.9158, 87.5849,  
107.3013

483.3899,  
520.1429, 604.8017

59.9573, 65.9793,  
81.7612

132.1985,  
143.9791, 173.2943

43.6335, 48.2556,  
60.6341

165.2534,  
179.5366, 214.5843

30.5792, 34.0294,  
43.5013

203.4045,  
220.5134, 261.9614

20.4289, 22.9162,  
29.9443

247.0171,  
267.2941, 315.8441

12.8172, 14.5316,  
19.5446

296.4566,  
320.2630, 376.6509

7.3790, 8.4913,  
11.8837

352.0883,

3.7486, 4.4109,

379.8045, 444.8004

6.5430

414.2776,  
446.3030, 520.7112

■ 1.5609, 1.9060,  
3.1039

■ 0.3667, 0.5520,  
1.1479

■ 79.9158, 87.5849,  
107.3013

■ 79.9158, 87.5849,  
107.3013

■ 70.7234, 79.7291,  
106.2695

■ 90.3700, 96.2175,  
108.4166

■ 62.7315, 72.6103,  
105.3166

95.0500, 100.0000,  
108.9000

■ 55.8843, 66.2005,  
104.4403

■ 50.1182, 60.4656,  
103.6373

■ 45.3633, 55.3682,  
102.9040

■ 41.5409, 50.8663,  
102.2365

■ 38.5597, 46.9112,  
101.6302

■ 36.3084, 43.4442,  
101.0797

■ 35.2320, 41.5840,  
100.7773

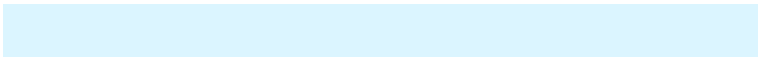
# Harmonies

## Analogous

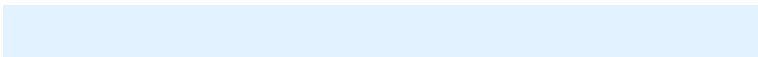
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.4167, 87.5849, 100.5550



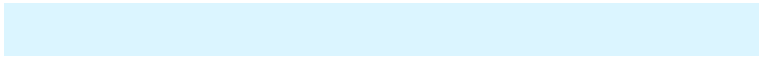
79.9158, 87.5849, 107.3013



82.3286, 87.5849, 110.9090

# Triad

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



79.9158, 87.5849, 107.3013



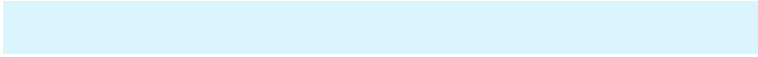
88.5108, 87.5849, 98.0288



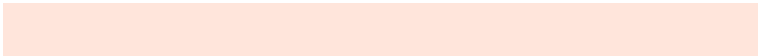
81.4792, 87.5849, 81.9400

# Complementary

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



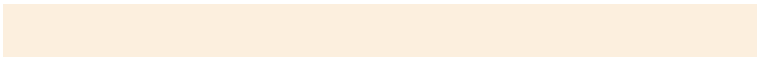
79.9158, 87.5849, 107.3013



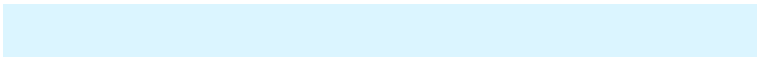
82.0449, 82.4115, 78.6022

# Split Complementary

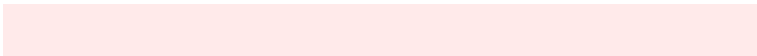
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.1718, 87.5849, 81.3458



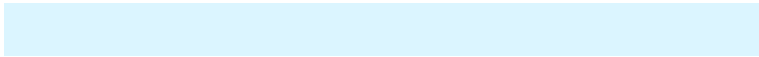
79.9158, 87.5849, 107.3013



88.2713, 87.5849, 90.3569

# Square

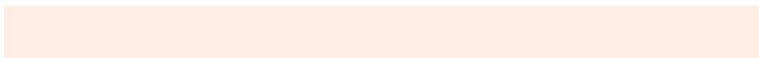
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



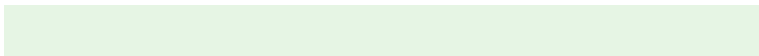
79.9158, 87.5849, 107.3013



87.3165, 87.5849, 105.3655



86.6691, 87.5849, 84.3486

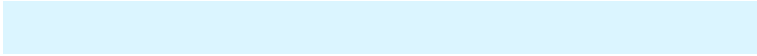


79.3056, 87.5849, 86.0183



# Rectangle

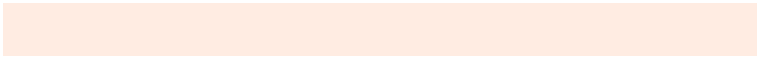
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.9158, 87.5849, 107.3013



84.1478, 87.5849, 110.9223



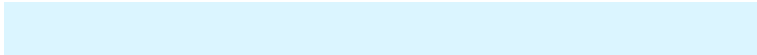
86.6691, 87.5849, 84.3486



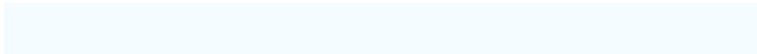
82.3523, 87.5849, 81.3350

# Sweetspot

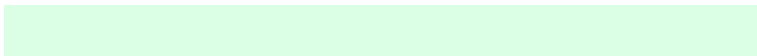
The Sweet Spot groups the original color and five complimentary colors.



79.9181, 87.5884, 107.3019



90.4996, 96.3229, 108.4301



79.0614, 92.2153, 87.4698



19.1925, 20.4721, 23.1899



0.0000, 0.0000, 0.0000

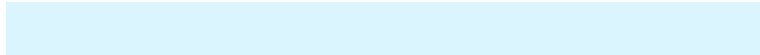


20.3446, 21.4041, 23.3091



# Same Dimension

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



79.9181, 87.5884, 107.3019



77.1404, 85.2447, 106.9959



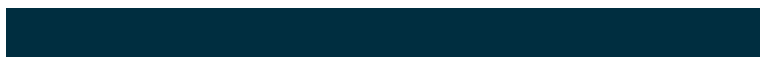
74.8432, 77.4386, 105.6102



18.1035, 19.5786, 23.0748



18.5415, 21.9926, 52.7023



1.8973, 2.3252, 5.1621



# Inverse Universe

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



83.0543, 78.5171, 97.1683



80.8683, 74.6410, 94.9104



87.1652, 92.6520, 80.3089



18.5649, 18.2093, 21.5918



26.1471, 12.9481, 25.2228

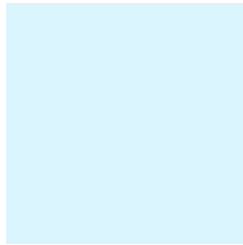


2.5923, 1.2793, 2.7002



# Previews

## White Background



This preview shows how the XYZ color 79.9158, 87.5849, 107.3013 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

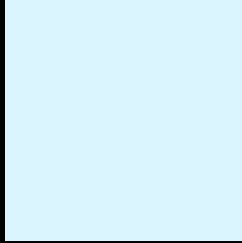
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.9158, 87.5849, 107.3013 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

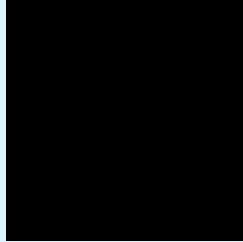
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 79.9158, 87.5849, 107.3013

## Background



This preview shows how black text looks on a background with the XYZ color 79.9158, 87.5849, 107.3013.



This preview shows how white text looks on a background with the XYZ color 79.9158, 87.5849,



# 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

79.9158, 87.5849, 107.3013

### Protanopia

84.5547, 87.3988, 103.6799

### Deuteranopia

88.3459, 87.1365, 106.7704



## **Tritanopia**

81.7970, 87.2182, 107.1314

# Trichromacy



## Original Color

79.9158, 87.5849, 107.3013

## Protanomaly

82.6303, 87.2625, 104.5837

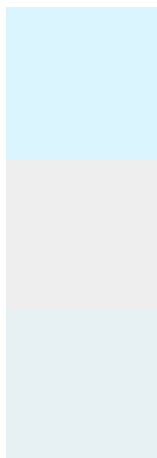
## Deuteranomaly

84.9002, 87.0698, 106.9392

## Tritanomaly

81.1519, 87.3287, 107.1867

# Monochromacy



## Original Color

79.9158, 87.5849, 107.3013

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

80.7394, 86.4312, 98.0154

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.9158, 87.5849, 107.3013 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(219, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 245, 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(219, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 245, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 79.9158, 87.5849, 107.3013 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(219, 245, 255) }
```



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

```
.border{ border-color:rgb(219, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 245,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.9158, 87.5849, 107.3013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 245, 255) }
```

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

```
.background{ background-color: rgb(219,  
245, 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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