

# Converting Colors

XYZ(79.3542, 87.4597,  
107.3067)

Have a look what the booklet for  
XYZ(79.3542, 87.4597, 107.3067)  
contains.

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# **Color**

**XYZ(79.3177, 87.2765,  
107.2733)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9F5FF
RGB	217, 245, 255
RGB Percent	85%, 96%, 100%
CMY	0.1490, 0.0392, 0.0000
CMYK	0.15, 0.04, 0.00, 0.00
HSL	196°, 100%, 93%
HSV	196°, 15%, 100%
XYZ	79.3177, 87.2765, 107.2733
YIQ	237.7680, -19.8980, -2.8260

# Conversions

## Conversions Part 2

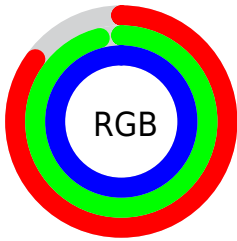
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 233, 255
Decimal	14284287
CIE <sub>Lab</sub>	94.86, -7.09, -7.88
CIE <sub>LCh</sub>	95, 10.597, 228.035
Yxy	87.2765, 0.2896, 0.3187
Android (android.graphics.Color)	4292474367 (0xFFD9F5FF)
YUV	237.7680, 8.4954, -18.2135
Hunter-Lab	93.4219, -11.9370, -2.6854

# Details

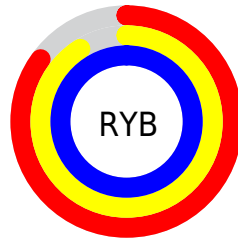
The XYZ color **79.3177, 87.2765, 107.2733** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.2331, 81.2067, 77.0404**, and the grayscale version is **81.0380, 85.2583, 92.8463**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.2909, 48.1538, 60.4390** is the 20% darker color. If you saturate the color by 10%, you get **70.3237, 79.6841, 106.2819**, and if you desaturate by 10%, it is **89.5609, 95.6268, 108.3452**.

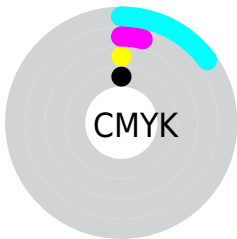
# Distribution



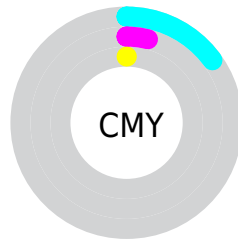
- Red (85%)
- Green (96%)
- Blue (100%)



- Red (85%)
- Yellow (91%)
- Blue (100%)



- Cyan (15%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.3177, 87.2765, 107.2733 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 79.3177, 87.2765, 107.2733 by changing the saturation by 10% instead.



79.3177, 87.2765,  
107.2733

79.3177, 87.2765,  
107.2733

481.4021,  
519.1310, 604.7130

59.4636, 65.7240,  
81.7379

131.3616,  
143.5495, 173.2557

43.2342, 48.0484,  
60.6149

164.2821,  
179.0388, 214.5399

30.2643, 33.8652,  
43.4860

202.2888,  
219.9425, 261.9106

20.1883, 22.7901,  
29.9324

245.7469,  
266.6450, 315.7866

12.6411, 14.4386,  
19.5356

295.0220,  
319.5307, 376.5862

7.2571, 8.4263,  
11.8772

350.4793,

3.6712, 4.3689,

378.9840, 444.7282

6.5386

412.4842,  
445.3893, 520.6309

■ 1.5178, 1.8820,  
3.1012

■ 0.3379, 0.5375,  
1.1466

■ 79.3177, 87.2765,  
107.2733

■ 79.3177, 87.2765,  
107.2733

■ 70.3237, 79.6841,  
106.2819

■ 89.5609, 95.6268,  
108.3452

■ 62.5178, 72.8099,  
105.3664

95.0500, 100.0000,  
108.9000

■ 55.8435, 66.6261,  
104.5246

■ 50.2373, 61.0986,  
103.7532

■ 45.6288, 56.1899,  
103.0486

■ 41.9384, 51.8579,  
102.4069

■ 39.0740, 48.0537,  
101.8236

■ 36.9221, 44.7177,  
101.2931

■ 36.0171, 43.1542,  
101.0390

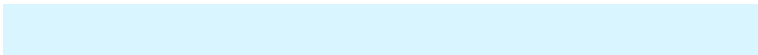
# Harmonies

## Analogous

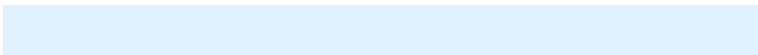
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8157, 87.2765, 100.0074



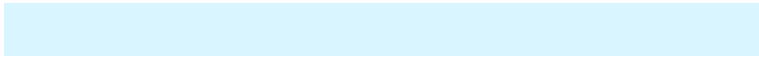
79.3177, 87.2765, 107.2733



81.8148, 87.2765, 111.3460

# Triad

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



79.3177, 87.2765, 107.2733



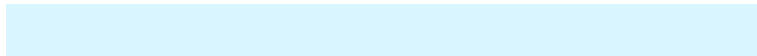
88.4709, 87.2765, 98.3438



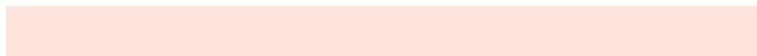
81.2567, 87.2765, 80.7781

# Complementary

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



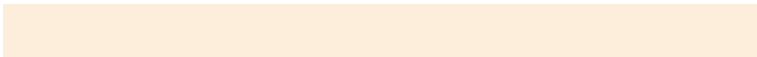
79.3177, 87.2765, 107.2733



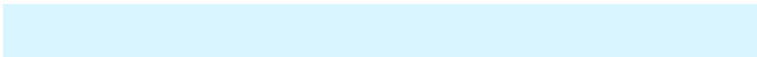
81.2331, 81.2067, 77.0404

# Split Complementary

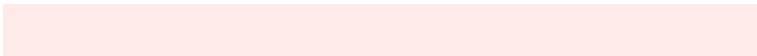
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.1031, 87.2765, 80.3899



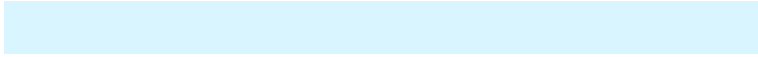
79.3177, 87.2765, 107.2733



88.3130, 87.2765, 90.2191

# Square

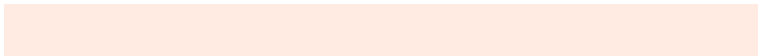
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



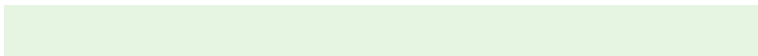
79.3177, 87.2765, 107.2733



87.1255, 87.2765, 105.9951



86.6991, 87.2765, 83.7543

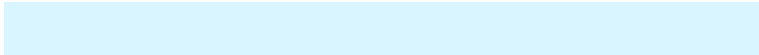


78.9172, 87.2765, 84.8471

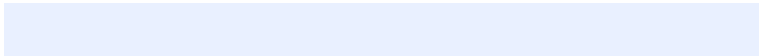


# Rectangle

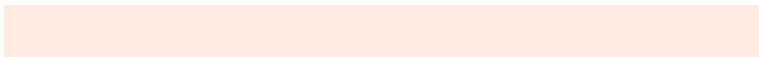
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.3177, 87.2765, 107.2733



83.7276, 87.2765, 111.5553



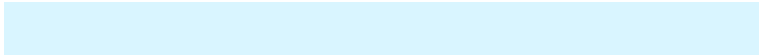
86.6991, 87.2765, 83.7543



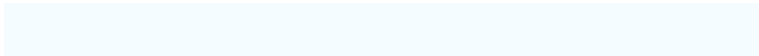
82.1846, 87.2765, 80.2217

# Sweetspot

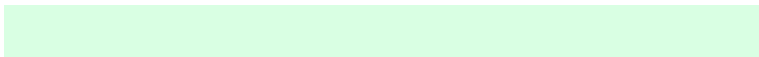
The Sweet Spot groups the original color and five complimentary colors.



79.3200, 87.2800, 107.2739



90.5465, 96.4166, 108.4457



78.1725, 91.7907, 85.9104



19.2044, 20.4959, 23.1939



0.0000, 0.0000, 0.0000

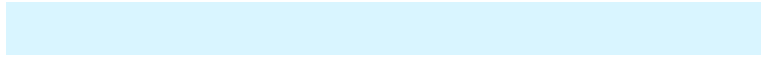


20.3446, 21.4041, 23.3091

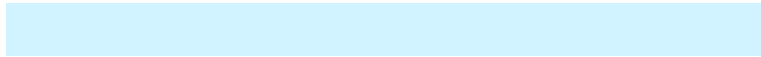


# Same Dimension

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



79.3200, 87.2800, 107.2739



76.4014, 84.8470, 106.9581



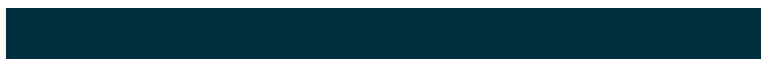
73.9991, 76.6382, 105.5002



18.1268, 19.6253, 23.0826



18.9480, 22.8056, 52.8378



1.9341, 2.3988, 5.1744



# Inverse Universe

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



82.5357, 77.4799, 96.9953



80.2316, 73.3766, 94.6702



86.5688, 91.8780, 78.8190



18.5767, 18.2140, 21.6539



26.3523, 13.0302, 26.3034

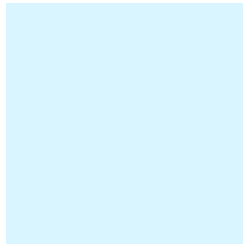


2.6108, 1.2867, 2.7981



# Previews

## White Background



This preview shows how the XYZ color 79.3177, 87.2765, 107.2733 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

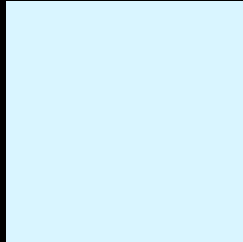
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.3177, 87.2765, 107.2733 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

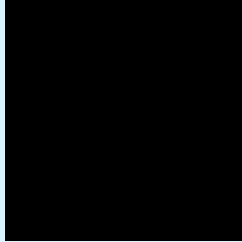
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 79.3177, 87.2765, 107.2733

## Background



This preview shows how black text looks on a background with the XYZ color 79.3177, 87.2765, 107.2733.



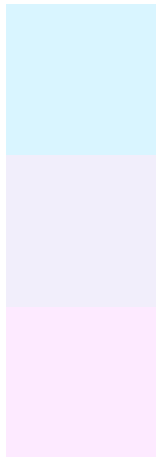
This preview shows how white text looks on a background with the XYZ color 79.3177, 87.2765,



# 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

79.3177, 87.2765, 107.2733

### Protanopia

84.2628, 86.8149, 103.5826

### Deuteranopia

87.9808, 86.9483, 106.7533



## Tritanopia

81.4807, 87.0552, 107.1166

# Trichromacy



## Original Color

79.3177, 87.2765, 107.2733

## Protanomaly

82.3047, 87.0947, 104.5685

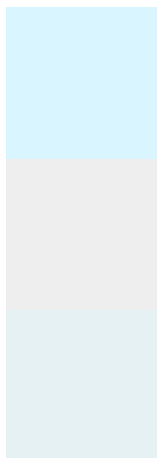
## Deuteranomaly

84.5597, 86.8943, 106.9233

## Tritanomaly

80.5320, 87.0092, 107.1577

# Monochromacy



## Original Color

79.3177, 87.2765, 107.2733

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

80.4176, 86.2652, 98.0003

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.3177, 87.2765, 107.2733 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(217, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 245, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 79.3177, 87.2765, 107.2733 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(217, 245, 255) }
```



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

```
.border{ border-color:rgb(217, 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(217, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 245,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.3177, 87.2765, 107.2733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 245, 255) }
```

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

```
.background{ background-color: rgb(217,  
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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