

# Converting Colors

XYZ(77.2263, 87.3021,  
107.6196)

Have a look what the booklet for  
XYZ(77.2263, 87.3021, 107.6196)  
contains.

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# Color

**XYZ(77.0429, 87.0069,  
107.3412)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFF7FF
RGB	207, 247, 255
RGB Percent	81%, 97%, 100%
CMY	0.1882, 0.0314, 0.0000
CMYK	0.19, 0.03, 0.00, 0.00
HSL	190°, 100%, 91%
HSV	190°, 19%, 100%
XYZ	77.0429, 87.0069, 107.3412
YIQ	235.9520, -26.4080, -5.9920

# Conversions

## Conversions Part 2

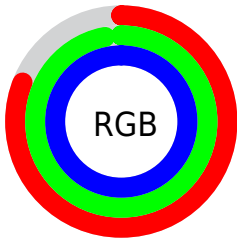
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 229, 255
Decimal	13629439
CIE <sub>Lab</sub>	94.74, -11.14, -8.12
CIE <sub>LCh</sub>	95, 13.782, 216.090
Yxy	87.0069, 0.2839, 0.3206
Android (android.graphics.Color)	4291819519 (0xFFCFF7FF)
YUV	235.9520, 9.3907, -25.3909
Hunter-Lab	93.2775, -15.8028, -2.9351

# Details

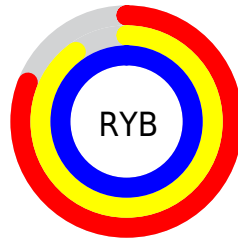
The XYZ color **77.0429, 87.0069, 107.3412** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.8027, 74.3649, 69.3392**, and the grayscale version is **79.6389, 83.7863, 91.2433**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7727, 48.0142, 60.4921** is the 20% darker color. If you saturate the color by 10%, you get **69.2022, 81.0607, 106.6067**, and if you desaturate by 10%, it is **86.0683, 93.6123, 108.1404**.

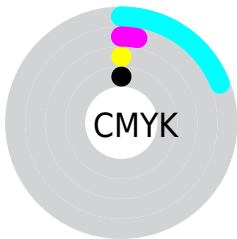
# Distribution



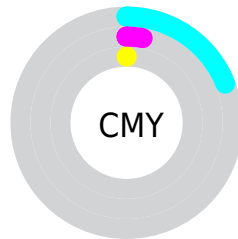
- Red (81%)
- Green (97%)
- Blue (100%)



- Red (81%)
- Yellow (90%)
- Blue (100%)



- Cyan (19%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0429, 87.0069, 107.3412 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 77.0429, 87.0069, 107.3412 by changing the saturation by 10% instead.



77.0429, 87.0069,  
107.3412

77.0429, 87.0069,  
107.3412

473.8000,  
518.2455, 604.9280

57.5881, 65.5009,  
81.7945

128.1726,  
143.1738, 173.3492

41.7196, 47.8674,  
60.6614

160.5782,  
178.6034, 214.6476

29.0719, 33.7219,  
43.5231

198.0314,  
219.4431, 262.0337

19.2798, 22.6800,  
29.9614

240.8977,  
266.0772, 315.9260

11.9778, 14.3574,  
19.5575

289.5423,  
318.8901, 376.7431

6.8007, 8.3697,  
11.8929

344.3307,

3.3830, 4.3324,

378.2662, 444.9034

6.5491

405.6281,  
444.5899, 520.8255

■ 1.3594, 1.8612,  
3.1076

■ 0.2270, 0.5249,  
1.1499

■ 77.0429, 87.0069,  
107.3412

■ 77.0429, 87.0069,  
107.3412

■ 69.2022, 81.0607,  
106.6067

■ 86.0683, 93.6123,  
108.1404

■ 62.4840, 75.7345,  
105.9327

95.0500, 100.0000,  
108.9000

■ 56.8307, 71.0007,  
105.3170

■ 52.1769, 66.8252,  
104.7563

■ 48.4495, 63.1700,  
104.2472

■ 45.5653, 59.9919,  
103.7858

■ 43.4257, 57.2400,  
103.3674

■ 41.8879, 54.8400,  
102.9852

■ 41.7247, 54.5694,  
102.9416

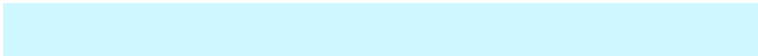
# Harmonies

## Analogous

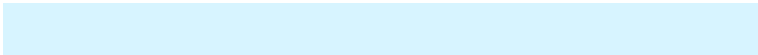
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7772, 87.0069, 96.9288



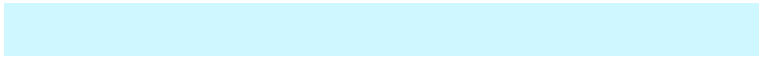
77.0429, 87.0069, 107.3412



79.8280, 87.0069, 114.7549

# Triad

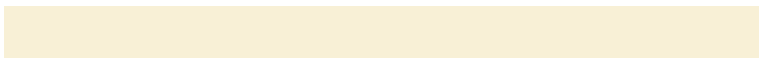
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.0429, 87.0069, 107.3412



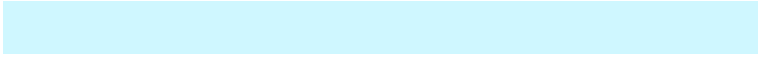
89.4203, 87.0069, 103.2961



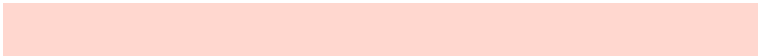
81.9398, 87.0069, 75.7657

# Complementary

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



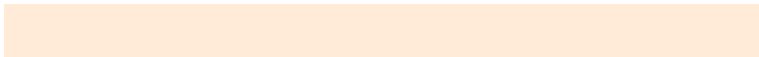
77.0429, 87.0069, 107.3412



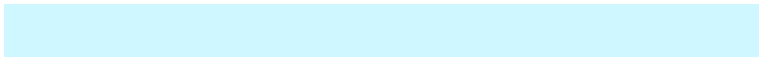
76.8027, 74.3649, 69.3392

# 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.



85.6348, 87.0069, 77.1917



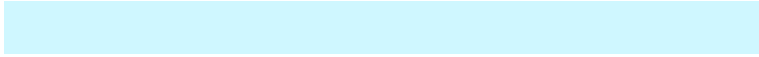
77.0429, 87.0069, 107.3412



90.0267, 87.0069, 92.5760

# Square

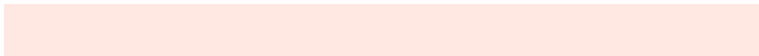
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0429, 87.0069, 107.3412



86.9891, 87.0069, 112.2995



88.6221, 87.0069, 83.1579

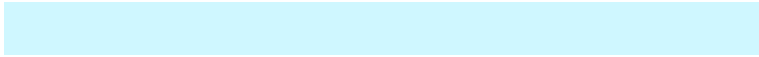


78.5493, 87.0069, 79.1059

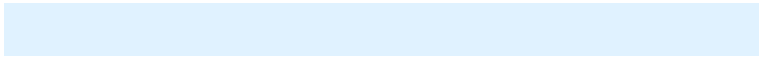


# Rectangle

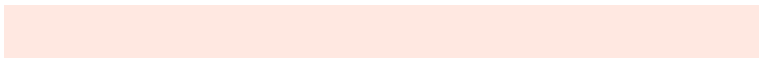
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



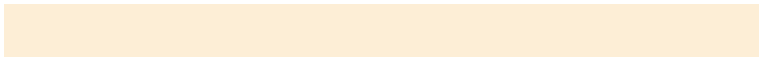
77.0429, 87.0069, 107.3412



82.2099, 87.0069, 116.7122



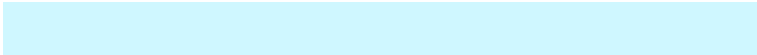
88.6221, 87.0069, 83.1579



83.1869, 87.0069, 75.7071

# Sweetspot

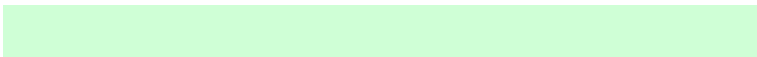
The Sweet Spot groups the original color and five complimentary colors.



77.0452, 87.0104, 107.3417



88.8358, 95.5975, 108.3778



73.6564, 89.6512, 77.1762



18.8755, 20.3624, 23.1854



0.0000, 0.0000, 0.0000

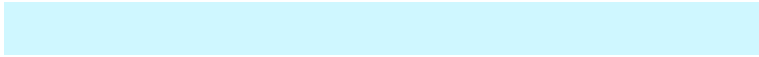


20.3446, 21.4041, 23.3091

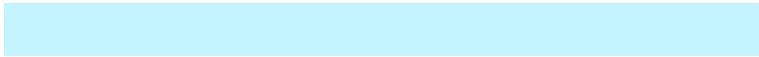


# Same Dimension

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



77.0452, 87.0104, 107.3417



73.6283, 84.4471, 107.0270



70.3853, 73.6906, 105.1217



18.2822, 19.9360, 23.1344



21.8973, 28.7043, 53.8209



2.1974, 2.9255, 5.2621



# Inverse Universe

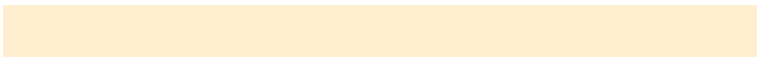
The Inverse Universe completely reimagines the original color for something new.



80.3428, 72.6027, 97.7789



77.5756, 67.5046, 95.5118



83.1359, 87.0313, 71.4502



18.6551, 18.2453, 22.0668



27.8410, 13.6257, 34.1426

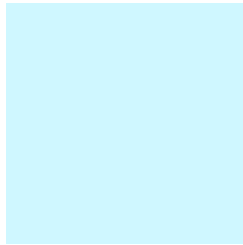


2.7438, 1.3399, 3.4980



# Previews

## White Background



This preview shows how the XYZ color 77.0429, 87.0069, 107.3412 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

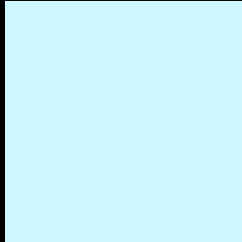
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.0429, 87.0069, 107.3412 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

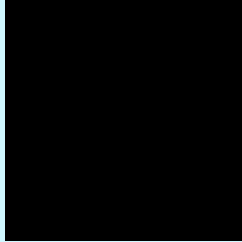
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 77.0429, 87.0069, 107.3412

## Background



This preview shows how black text looks on a background with the XYZ color 77.0429, 87.0069, 107.3412.



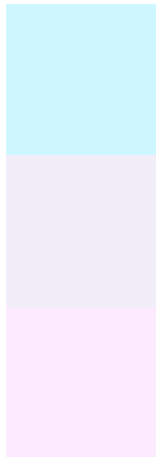
This preview shows how white text looks on a background with the XYZ color 77.0429, 87.0069,



# 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

77.0429, 87.0069, 107.3412

### Protanopia

84.1055, 86.7520, 102.7545

### Deuteranopia

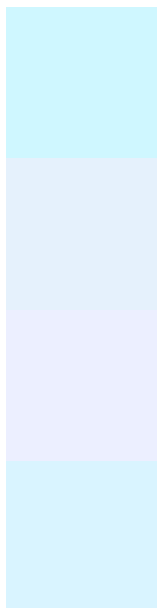
87.6177, 86.7611, 106.7364



## **Tritanopia**

80.2248, 86.8508, 107.1433

# Trichromacy



## Original Color

77.0429, 87.0069, 107.3412

## Protanomaly

81.3391, 86.5969, 104.5233

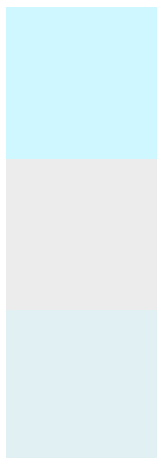
## Deuteranomaly

83.5086, 86.7859, 106.9577

## Tritanomaly

79.0160, 86.6731, 107.1727

# Monochromacy



## Original Color

77.0429, 87.0069, 107.3412

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

78.3891, 84.7988, 97.0303

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.0429, 87.0069, 107.3412 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(207, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(207, 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(207, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 247, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 77.0429, 87.0069, 107.3412 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(207, 247, 255) }
```



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

```
.border{ border-color:rgb(207, 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(207, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(207, 247,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.0429, 87.0069, 107.3412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 247, 255) }
```

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

```
.background{ background-color: rgb(207,  
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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