

# Converting Colors

XYZ(76.3609, 86.8754,  
107.3517)

Have a look what the booklet for  
XYZ(76.3609, 86.8754, 107.3517)  
contains.

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# **Color**

**XYZ(76.2126, 86.5789,  
107.3023)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCF7FF
RGB	204, 247, 255
RGB Percent	80%, 97%, 100%
CMY	0.2000, 0.0314, 0.0000
CMYK	0.20, 0.03, 0.00, 0.00
HSL	189°, 100%, 90%
HSV	189°, 20%, 100%
XYZ	76.2126, 86.5789, 107.3023
YIQ	235.0550, -28.1960, -6.6280

# Conversions

## Conversions Part 2

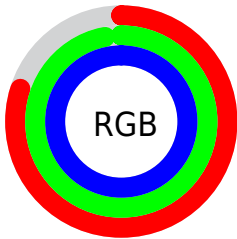
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 227, 255
Decimal	13432831
CIE <sub>Lab</sub>	94.56, -12.03, -8.41
CIE <sub>LCh</sub>	95, 14.680, 214.941
Yxy	86.5789, 0.2822, 0.3206
Android (android.graphics.Color)	4291622911 (0xFFCCCF7FF)
YUV	235.0550, 9.8329, -27.2352
Hunter-Lab	93.0478, -16.6297, -3.2395

# Details

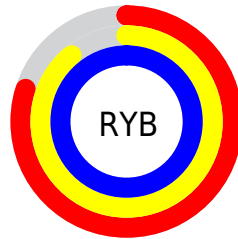
The XYZ color **76.2126, 86.5789, 107.3023** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.6823, 72.7056, 67.1731**, and the grayscale version is **78.9523, 83.0640, 90.4567**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.2183, 47.7284, 60.4661** is the 20% darker color. If you saturate the color by 10%, you get **68.5784, 80.8501, 106.5989**, and if you desaturate by 10%, it is **85.0218, 92.9569, 108.0691**.

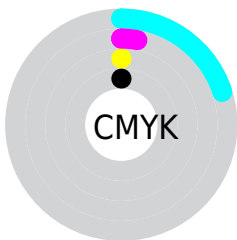
# Distribution



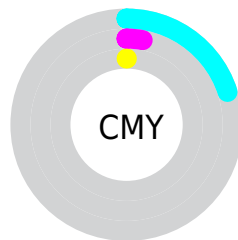
- Red (80%)
- Green (97%)
- Blue (100%)



- Red (80%)
- Yellow (89%)
- Blue (100%)



- Cyan (20%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.2126, 86.5789, 107.3023 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 76.2126, 86.5789, 107.3023 by changing the saturation by 10% instead.



76.2126, 86.5789,  
107.3023

76.2126, 86.5789,  
107.3023

471.0084,  
516.8381, 604.8048

56.9045, 65.1468,  
81.7621

127.0061,  
142.5771, 173.2957

41.1684, 47.5801,  
60.6348

159.2223,  
177.9119, 214.5859

28.6390, 33.4945,  
43.5018

196.4719,  
218.6497, 261.9632

18.9508, 22.5055,  
29.9448

239.1202,  
265.1750, 315.8461

11.7385, 14.2288,  
19.5450

287.5327,  
317.8721, 376.6532

6.6368, 8.2800,  
11.8839

342.0746,

3.2803, 4.2746,

377.1254, 444.8030

6.5431

403.1114,  
443.3192, 520.7140

■ 1.3037, 1.8283,  
3.1040

■ 0.1860, 0.5047,  
1.1480

■ 76.2126, 86.5789,  
107.3023

■ 76.2126, 86.5789,  
107.3023

■ 68.5784, 80.8501,  
106.5989

■ 85.0218, 92.9569,  
108.0691

■ 62.0567, 75.7312,  
105.9546

95.0500, 100.0000,  
108.9000

■ 56.5892, 71.1942,  
105.3670

■ 52.1097, 67.2047,  
104.8331

■ 48.5442, 63.7243,  
104.3492

■ 45.8081, 60.7092,  
103.9115

■ 43.8004, 58.1071,  
103.5150

■ 42.3564, 55.8327,  
103.1521

■ 42.3563, 55.8325,  
103.1521

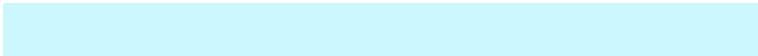
# Harmonies

## Analogous

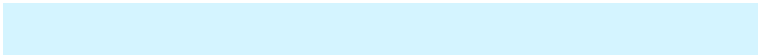
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.9440, 86.5789, 96.1582



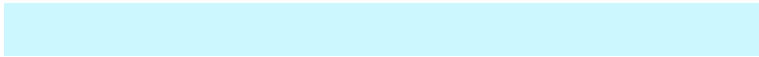
76.2126, 86.5789, 107.3023



79.1114, 86.5789, 115.4083

# Triad

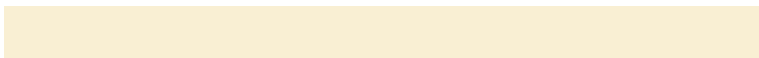
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.2126, 86.5789, 107.3023



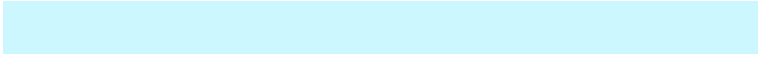
89.3739, 86.5789, 103.7989



81.6373, 86.5789, 74.1928

# Complementary

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



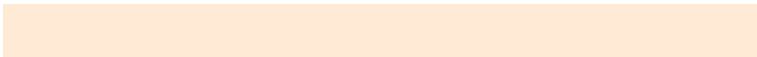
76.2126, 86.5789, 107.3023



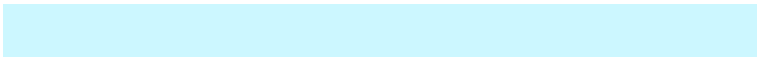
75.6823, 72.7056, 67.1731

# 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.



85.5540, 86.5789, 75.8840



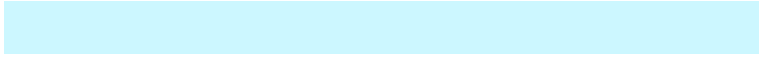
76.2126, 86.5789, 107.3023



90.1023, 86.5789, 92.4061

# Square

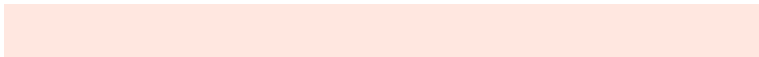
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.2126, 86.5789, 107.3023



86.7236, 86.5789, 113.2747



88.6836, 86.5789, 82.3376

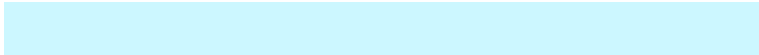


78.0114, 86.5789, 77.5190

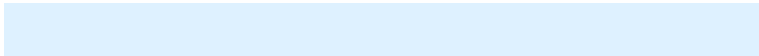


# Rectangle

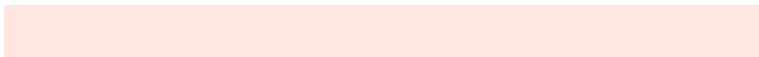
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



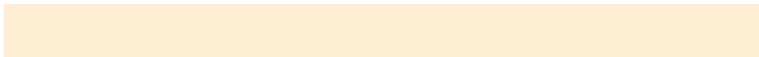
76.2126, 86.5789, 107.3023



81.6219, 86.5789, 117.6720



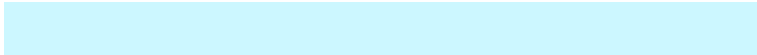
88.6836, 86.5789, 82.3376



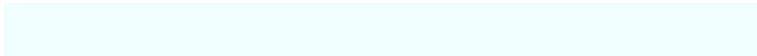
82.9631, 86.5789, 74.1961

# Sweetspot

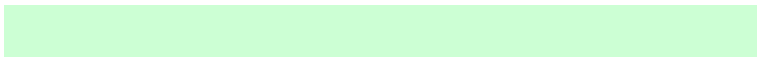
The Sweet Spot groups the original color and five complimentary colors.



76.2149, 86.5823, 107.3029



88.8830, 95.6919, 108.3935



72.5024, 89.0937, 75.4332



18.8867, 20.3848, 23.1892



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

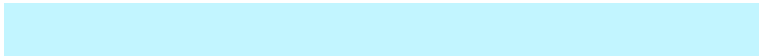


# Same Dimension

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



76.2149, 86.5823, 107.3029



73.0221, 84.2133, 107.0139



69.0345, 72.2216, 104.9094



18.2981, 19.9677, 23.1397



22.2231, 29.3558, 53.9295



2.2261, 2.9830, 5.2717



# Inverse Universe

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



79.6228, 71.1627, 97.5389



77.0307, 66.3720, 95.4622



82.4673, 86.2756, 69.4348



18.6631, 18.2486, 22.1090



28.0054, 13.6915, 35.0085

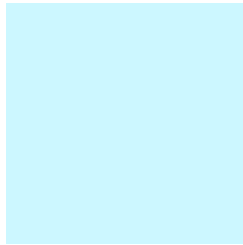


2.7583, 1.3457, 3.5744



# Previews

## White Background



This preview shows how the XYZ color 76.2126, 86.5789, 107.3023 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

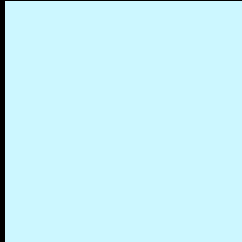
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.2126, 86.5789, 107.3023 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 76.2126, 86.5789, 107.3023

## Background



This preview shows how black text looks on a background with the XYZ color 76.2126, 86.5789, 107.3023.



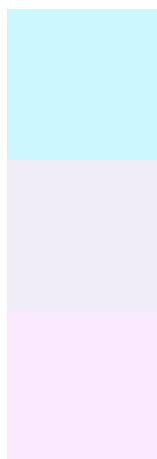
This preview shows how white text looks on a background with the XYZ color 76.2126, 86.5789,



# 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

76.2126, 86.5789, 107.3023

### Protanopia

83.3182, 85.9332, 101.8180

### Deuteranopia

86.9726, 86.0071, 106.6248



## Tritanopia

79.6158, 86.5368, 107.1148

# Trichromacy



## Original Color

76.2126, 86.5789, 107.3023

## Protanomaly

80.5464, 86.2065, 103.6611

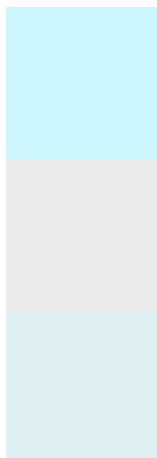
## Deuteranomaly

82.5562, 85.8615, 106.8295

## Tritanomaly

78.1322, 86.2175, 107.1314

# Monochromacy



## Original Color

76.2126, 86.5789, 107.3023

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

77.6340, 83.9911, 96.1246

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.2126, 86.5789, 107.3023 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(204, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 247, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.2126, 86.5789, 107.3023 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(204, 247, 255) }
```



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

```
.border{ border-color:rgb(204, 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(204, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 247,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.2126, 86.5789, 107.3023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 247, 255) }
```

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

```
.background{ background-color: rgb(204,  
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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