

# Converting Colors

XYZ(107.3102, 100.0000,  
277.1659)

Have a look what the booklet for  
XYZ(107.3102, 100.0000, 277.1659)  
contains.

<b>XYZ(74.9516, 86.8417, 107.4195)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(74.9516, 86.8417,  
107.4195)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5F9FF
RGB	197, 249, 255
RGB Percent	77%, 98%, 100%
CMY	0.2274, 0.0235, 0.0000
CMYK	0.23, 0.02, 0.00, 0.00
HSL	186°, 100%, 89%
HSV	186°, 23%, 100%
XYZ	74.9516, 86.8417, 107.4195
YIQ	234.1360, -32.9180, -9.1580

# Conversions

## Conversions Part 2

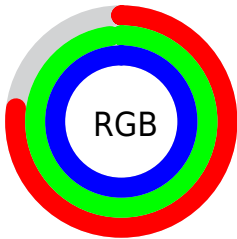
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 224, 255
Decimal	12974591
CIELab	94.67, -15.09, -8.29
CIElCh	95, 17.218, 208.773
Yxy	86.8417, 0.2784, 0.3226
Android (android.graphics.Color)	4291164671 (0xFFC5F9FF)
YUV	234.1360, 10.2860, -32.5683
Hunter-Lab	93.1889, -19.5135, -3.1118

# Details

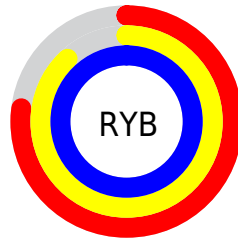
The XYZ color **74.9516, 86.8417, 107.4195** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.6737, 68.0021, 62.1203**, and the grayscale version is **78.2540, 82.3293, 89.6566**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.4183, 47.9679, 60.5545** is the 20% darker color. If you saturate the color by 10%, you get **68.0225, 82.0708, 106.8638**, and if you desaturate by 10%, it is **83.0261, 92.2245, 108.0329**.

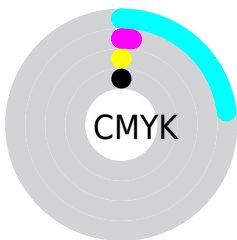
# Distribution



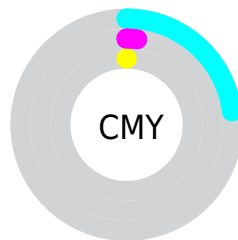
- Red (77%)
- Green (98%)
- Blue (100%)



- Red (77%)
- Yellow (88%)
- Blue (100%)



- Cyan (23%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9516, 86.8417, 107.4195 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 74.9516, 86.8417, 107.4195 by changing the saturation by 10% instead.



74.9516, 86.8417,  
107.4195

74.9516, 86.8417,  
107.4195

466.7509,  
517.7026, 605.1760

55.8673, 65.3642,  
81.8599

125.2321,  
142.9435, 173.4570

40.3331, 47.7565,  
60.7149

157.1590,  
178.3366, 214.7719

27.9837, 33.6341,  
43.5660

194.0975,  
219.1370, 262.1757

18.4538, 22.6126,  
29.9948

236.4129,  
265.7291, 316.0868

11.3779, 14.3077,  
19.5826

284.4706,  
318.4973, 376.9239

6.3908, 8.3350,  
11.9110

338.6359,

3.1270, 4.3101,

377.8260, 445.1054

6.5613

399.2743,  
444.0996, 521.0499

■ 1.2213, 1.8485,  
3.1150

■ 0.1231, 0.5171,  
1.1537

■ 74.9516, 86.8417,  
107.4195

■ 74.9516, 86.8417,  
107.4195

■ 68.0225, 82.0708,  
106.8638

■ 83.0261, 92.2245,  
108.0329

■ 62.1750, 77.8722,  
106.3616

■ 92.2920, 98.2363,  
108.7049

■ 57.3498, 74.2174,  
105.9105

95.0500, 100.0000,  
108.9000

■ 53.4787, 71.0712,  
105.5072

■ 50.4853, 68.3942,  
105.1483

■ 48.2815, 66.1409,  
104.8295

■ 46.7602, 64.2560,  
104.5459

■ 45.9702, 63.0604,  
104.3567

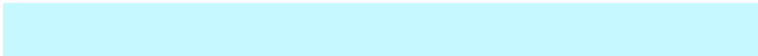
# Harmonies

## Analogous

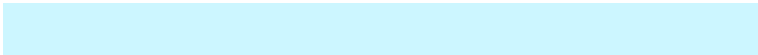
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.9235, 86.8417, 94.0089



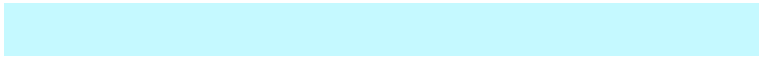
74.9516, 86.8417, 107.4195



77.9931, 86.8417, 118.1764

# Triad

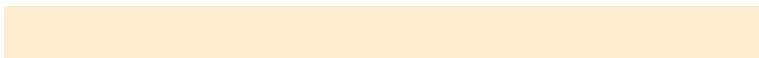
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.9516, 86.8417, 107.4195



90.4215, 86.8417, 108.4562



82.7319, 86.8417, 71.2044

# Complementary

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



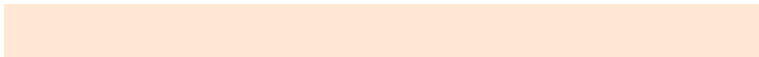
74.9516, 86.8417, 107.4195



72.6737, 68.0021, 62.1203

# 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.



87.2611, 86.8417, 74.3131



74.9516, 86.8417, 107.4195



91.8023, 86.8417, 95.1049

# Square

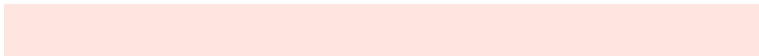
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.9516, 86.8417, 107.4195



86.9177, 86.8417, 118.8134



90.6250, 86.8417, 82.7625



78.3127, 86.8417, 73.8474

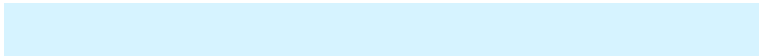


# Rectangle

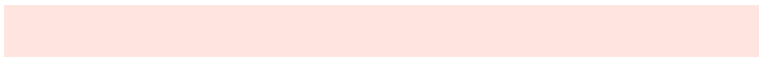
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.9516, 86.8417, 107.4195



80.8126, 86.8417, 121.9503



90.6250, 86.8417, 82.7625



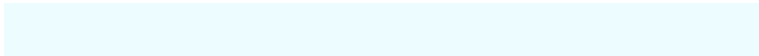
84.2928, 86.8417, 71.6057

# Sweetspot

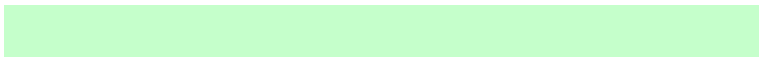
The Sweet Spot groups the original color and five complimentary colors.



74.9539, 86.8451, 107.4200



88.1994, 95.5988, 108.4115



69.5426, 87.6931, 69.6377



18.7579, 20.3840, 23.1958



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.



74.9539, 86.8451, 107.4200



71.8677, 84.7409, 107.1765



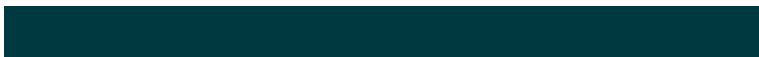
66.7228, 70.3830, 104.6763



18.3850, 20.1416, 23.1687



24.0855, 33.0805, 54.5503



2.3894, 3.3095, 5.3261



# Inverse Universe

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



78.3065, 68.0336, 98.6312



75.7557, 63.2111, 96.9201



80.1190, 82.8926, 64.6021



18.7070, 18.2661, 22.3401



28.9454, 14.0675, 39.9586

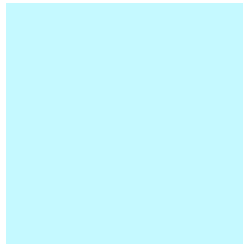


2.8407, 1.3786, 4.0083



# Previews

## White Background



This preview shows how the XYZ color 74.9516, 86.8417, 107.4195 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

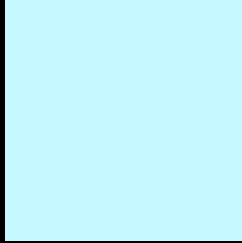
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9516, 86.8417, 107.4195 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 74.9516, 86.8417, 107.4195

## Background



This preview shows how black text looks on a background with the XYZ color 74.9516, 86.8417, 107.4195.



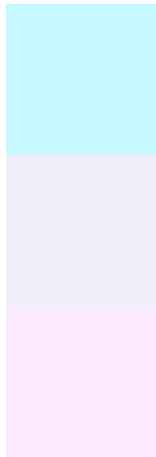
This preview shows how white text looks on a background with the XYZ color 74.9516, 86.8417,



# 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

74.9516, 86.8417, 107.4195

### Protanopia

83.7934, 86.6272, 101.1113

### Deuteranopia

87.2565, 86.5749, 106.7195



## Tritanopia

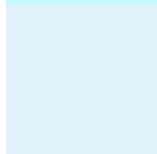
79.3141, 86.8268, 107.1867

# Trichromacy



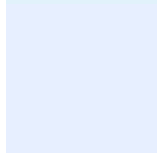
## Original Color

74.9516, 86.8417, 107.4195



## Protanomaly

80.2161, 86.4768, 103.7306



## Deuteranomaly

81.8715, 85.9419, 106.8811



## Tritanomaly

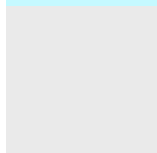
77.5841, 86.8332, 107.2791

# Monochromacy



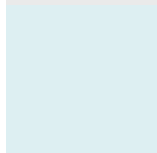
## Original Color

74.9516, 86.8417, 107.4195



## Achromatopsia

78.2058, 82.2786, 89.6014



## Achromatomaly

76.7123, 83.5160, 96.0814

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9516, 86.8417, 107.4195 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(197, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 249, 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(197, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 249, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9516, 86.8417, 107.4195 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(197, 249, 255) }
```



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

```
.border{ border-color:rgb(197, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 249,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9516, 86.8417, 107.4195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 249, 255) }
```

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

```
.background{ background-color: rgb(197,  
249, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor