

# Converting Colors

XYZ(75.1559, 86.4350,  
107.3302)

Have a look what the booklet for  
XYZ(75.1559, 86.4350, 107.3302)  
contains.

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# **Color**

**XYZ(75.1706, 86.4969,  
107.3414)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7F8FF
RGB	199, 248, 255
RGB Percent	78%, 97%, 100%
CMY	0.2196, 0.0274, 0.0000
CMYK	0.22, 0.03, 0.00, 0.00
HSL	187°, 100%, 89%
HSV	187°, 22%, 100%
XYZ	75.1706, 86.4969, 107.3414
YIQ	234.1470, -31.4510, -8.2110

# Conversions

## Conversions Part 2

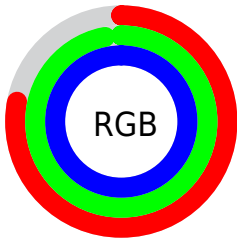
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 225, 255
Decimal	13105407
CIE <sub>Lab</sub>	94.52, -14.01, -8.49
CIE <sub>LCh</sub>	95, 16.383, 211.222
Yxy	86.4969, 0.2794, 0.3215
Android (android.graphics.Color)	4291295487 (0xFFC7F8FF)
YUV	234.1470, 10.2805, -30.8239
Hunter-Lab	93.0037, -18.4832, -3.3277

# Details

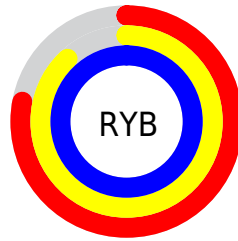
The XYZ color **75.1706, 86.4969, 107.3414** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.6200, 69.5254, 63.5742**, and the grayscale version is **78.2616, 82.3373, 89.6653**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.5443, 47.7058, 60.4973** is the 20% darker color. If you saturate the color by 10%, you get **67.9928, 81.3573, 106.7277**, and if you desaturate by 10%, it is **83.5033, 92.2611, 108.0148**.

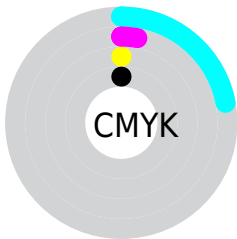
# Distribution



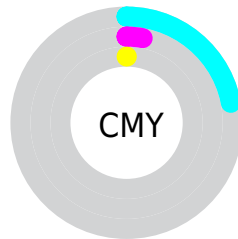
- Red (78%)
- Green (97%)
- Blue (100%)



- Red (78%)
- Yellow (88%)
- Blue (100%)



- Cyan (22%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1706, 86.4969, 107.3414 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 75.1706, 86.4969, 107.3414 by changing the saturation by 10% instead.



75.1706, 86.4969,  
107.3414

75.1706, 86.4969,  
107.3414

467.4919,  
516.5683, 604.9287

56.0473, 65.0789,  
81.7947

125.5404,  
142.4627, 173.3495

40.4780, 47.5251,  
60.6615

157.5177,  
177.7793, 214.6480

28.0973, 33.4510,  
43.5233

194.5104,  
218.4976, 262.0341

18.5399, 22.4721,  
29.9614

236.8838,  
265.0020, 315.9264

11.4403, 14.2042,  
19.5575

285.0033,  
317.6769, 376.7435

6.4333, 8.2628,  
11.8929

339.2342,

3.1534, 4.2636,

376.9066, 444.9039

6.5492

399.9420,  
443.0756, 520.8261

■ 1.2354, 1.8221,  
3.1077

■ 0.1341, 0.5009,  
1.1499

■ 75.1706, 86.4969,  
107.3414

■ 75.1706, 86.4969,  
107.3414

■ 67.9928, 81.3573,  
106.7277

■ 83.5033, 92.2611,  
108.0148

■ 61.9066, 76.8028,  
106.1693

■ 93.0366, 98.6669,  
108.7488

■ 56.8527, 72.8050,  
105.6640

■ 95.0500, 100.0000,  
108.9000

■ 52.7638, 69.3290,  
105.2086

■ 49.5640, 66.3356,  
104.7995

■ 47.1663, 63.7799,  
104.4326

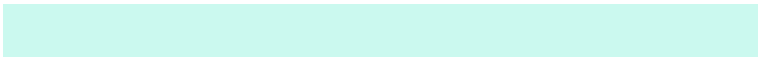
■ 45.4655, 61.6074,  
104.1029

■ 44.4766, 60.0731,  
103.8589

# Harmonies

## Analogous

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



74.0211, 86.4969, 94.6994



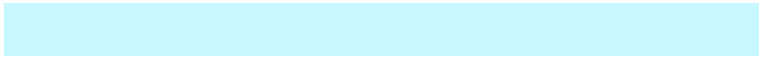
75.1706, 86.4969, 107.3414



78.1967, 86.4969, 117.1162

# Triad

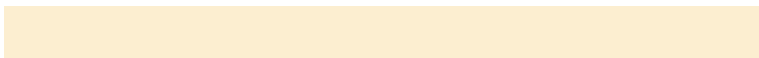
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.1706, 86.4969, 107.3414



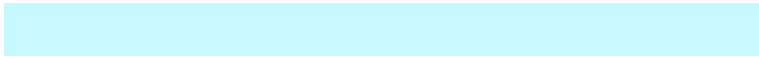
89.8733, 86.4969, 106.3653



82.0319, 86.4969, 71.9224

# Complementary

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



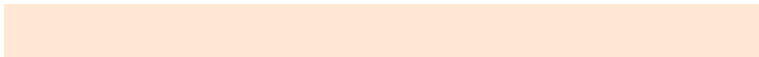
75.1706, 86.4969, 107.3414



73.6200, 69.5254, 63.5742

# 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.



86.3640, 86.4969, 74.4535



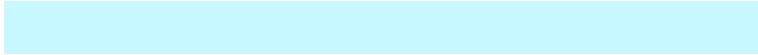
75.1706, 86.4969, 107.3414



90.9875, 86.4969, 93.6633

# Square

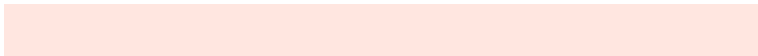
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.1706, 86.4969, 107.3414



86.6881, 86.4969, 116.5181



89.6814, 86.4969, 82.1417



77.8940, 86.4969, 74.8973

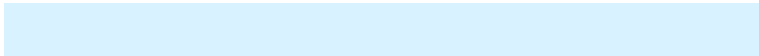


# Rectangle

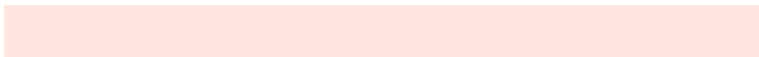
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



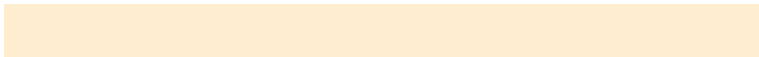
75.1706, 86.4969, 107.3414



80.9251, 86.4969, 120.2847



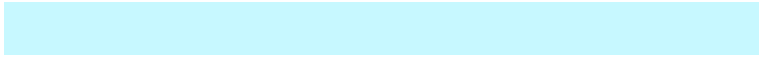
89.6814, 86.4969, 82.1417



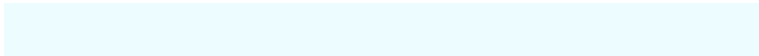
83.5139, 86.4969, 72.1557

# Sweetspot

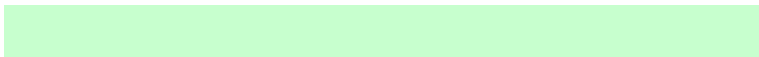
The Sweet Spot groups the original color and five complimentary colors.



75.1729, 86.5003, 107.3419



88.0779, 95.3559, 108.3711



70.3982, 88.0962, 71.3913



18.7297, 20.3276, 23.1864



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.



75.1729, 86.5003, 107.3419



72.1365, 84.3496, 107.0868



67.3203, 70.7952, 104.7244



18.3498, 20.0713, 23.1570



23.3161, 31.5418, 54.2939



2.3222, 3.1750, 5.3037



# Inverse Universe

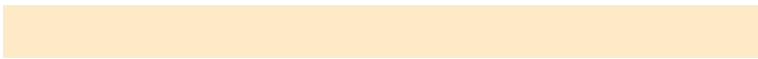
The Inverse Universe completely reimagines the original color for something new.



78.6081, 68.8858, 97.9641



76.1181, 64.2242, 96.1522



80.8396, 83.9646, 65.9807



18.6892, 18.2590, 22.2466



28.5571, 13.9121, 37.9137



2.8067, 1.3651, 3.8296



# Previews

## White Background



This preview shows how the XYZ color 75.1706, 86.4969, 107.3414 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

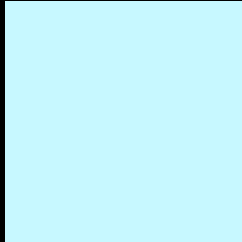
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.1706, 86.4969, 107.3414 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 75.1706, 86.4969, 107.3414

## Background



This preview shows how black text looks on a background with the XYZ color 75.1706, 86.4969, 107.3414.



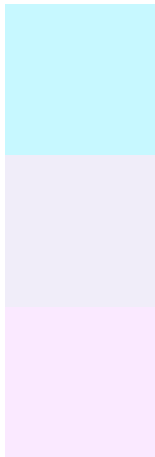
This preview shows how white text looks on a background with the XYZ color 75.1706, 86.4969,



# 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

75.1706, 86.4969, 107.3414

### Protanopia

83.3182, 85.9332, 101.8180

### Deuteranopia

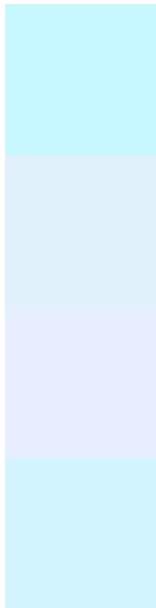
86.6133, 85.8218, 106.6080



## **Tritanopia**

79.0140, 86.2266, 107.0867

# Trichromacy



## Original Color

75.1706, 86.4969, 107.3414

## Protanomaly

79.9192, 85.8832, 103.6317

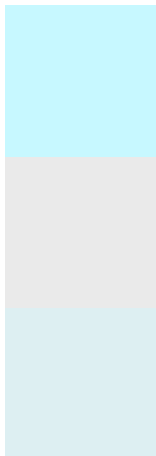
## Deuteranomaly

81.5795, 85.3580, 106.7838

## Tritanomaly

77.5664, 86.3737, 107.1913

# Monochromacy



## Original Color

75.1706, 86.4969, 107.3414

## 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 75.1706, 86.4969, 107.3414 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(199, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 248, 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(199, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 248, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 75.1706, 86.4969, 107.3414 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(199, 248, 255) }
```



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

```
.border{ border-color:rgb(199, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 248,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.1706, 86.4969, 107.3414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 248, 255) }
```

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

```
.background{ background-color: rgb(199,  
248, 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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