

# Converting Colors

XYZ(73.7809, 84.7524,  
107.0779)

Have a look what the booklet for  
XYZ(73.7809, 84.7524, 107.0779)  
contains.

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# Color

**XYZ(73.7707, 84.8673,  
107.1006)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4F6FF
RGB	196, 246, 255
RGB Percent	77%, 96%, 100%
CMY	0.2314, 0.0353, 0.0000
CMYK	0.23, 0.04, 0.00, 0.00
HSL	189°, 100%, 88%
HSV	189°, 23%, 100%
XYZ	73.7707, 84.8673, 107.1006
YIQ	232.0760, -32.6890, -7.8010

# Conversions

## Conversions Part 2

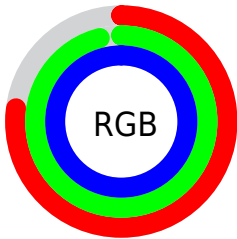
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 223, 255
Decimal	12908287
CIE Lab	93.83, -13.89, -9.55
CIE LCh	94, 16.853, 214.508
Yxy	84.8673, 0.2776, 0.3194
Android (android.graphics.Color)	4291098367 (0xFFC4F6FF)
YUV	232.0760, 11.3015, -31.6387
Hunter-Lab	92.1234, -18.2766, -4.4428

# Details

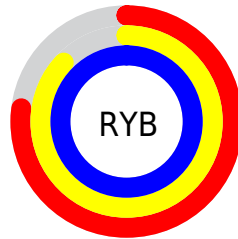
The XYZ color **73.7707, 84.8673, 107.1006** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.0350, 68.9073, 61.6774**, and the grayscale version is **76.6961, 80.6903, 87.8717**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **39.5910, 46.5668, 60.3277** is the 20% darker color. If you saturate the color by 10%, you get **66.5234, 79.3961, 106.4266**, and if you desaturate by 10%, it is **82.1744, 90.9758, 107.8368**.

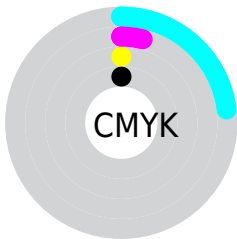
# Distribution



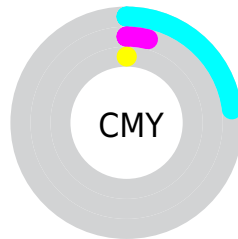
- Red (77%)
- Green (96%)
- Blue (100%)



- Red (77%)
- Yellow (87%)
- Blue (100%)



- Cyan (23%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.7707, 84.8673, 107.1006 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 73.7707, 84.8673, 107.1006 by changing the saturation by 10% instead.



73.7707, 84.8673,  
107.1006

73.7707, 84.8673,  
107.1006

462.7441,  
511.1889, 604.1659

54.8970, 63.7317,  
81.5938

123.5680,  
140.1878, 173.0180

39.5528, 46.4334,  
60.4969

155.2222,  
175.1414, 214.2657

27.3727, 32.5880,  
43.3914

191.8674,  
215.4700, 261.5974

17.9913, 21.8110,  
29.8586

233.8688,  
261.5577, 315.4318

11.0434, 13.7181,  
19.4802

281.5918,  
313.7891, 376.1872

6.1636, 7.9249,  
11.8374

335.4018,

2.9864, 4.0469,

372.5485, 444.2824

6.5119

395.6641,  
438.2203, 520.1357

■ 1.1466, 1.6998,  
3.0850

■ 0.0635, 0.4236,  
1.1382

■ 73.7707, 84.8673,  
107.1006

■ 73.7707, 84.8673,  
107.1006

■ 66.5234, 79.3961,  
106.4266

■ 82.1744, 90.9758,  
107.8368

■ 60.3688, 74.5225,  
105.8103

■ 91.7810, 97.7392,  
108.6359

■ 55.2470, 70.2177,  
105.2493

■ 95.0500, 100.0000,  
108.9000

■ 51.0895, 66.4460,  
104.7404

■ 47.8195, 63.1678,  
104.2800

■ 45.3479, 60.3368,  
103.8638

■ 43.5669, 57.8971,  
103.4868

■ 42.6368, 56.3937,  
103.2456

# Harmonies

## Analogous

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



72.3765, 84.8673, 94.3589



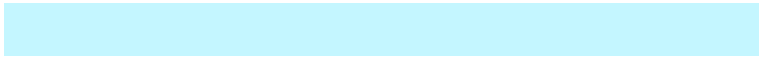
73.7707, 84.8673, 107.1006



77.0125, 84.8673, 116.5144

# Triad

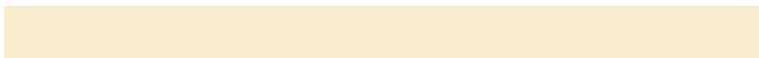
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.7707, 84.8673, 107.1006



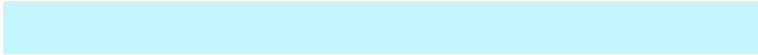
88.6929, 84.8673, 103.4371



79.9886, 84.8673, 69.9269

# Complementary

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



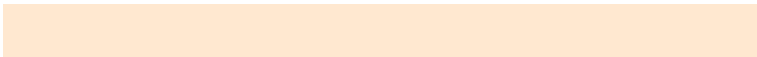
73.7707, 84.8673, 107.1006



73.0350, 68.9073, 61.6774

# 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.



84.4288, 84.8673, 71.8761



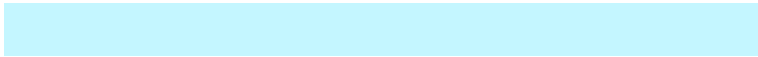
73.7707, 84.8673, 107.1006



89.5608, 84.8673, 90.4804

# Square

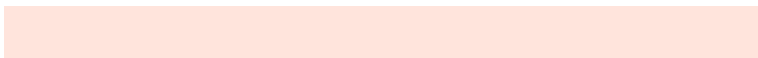
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.7707, 84.8673, 107.1006



85.6436, 84.8673, 114.2658



87.9735, 84.8673, 79.1211

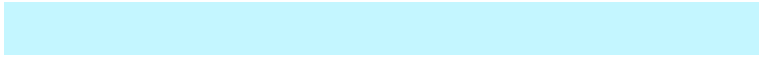


75.8809, 84.8673, 73.5288

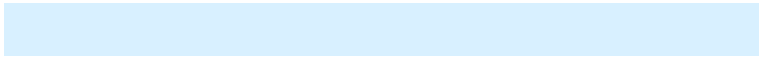


# Rectangle

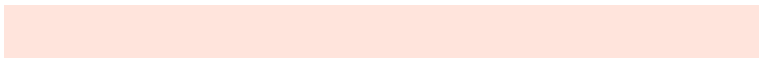
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.7707, 84.8673, 107.1006



79.8421, 84.8673, 119.2063



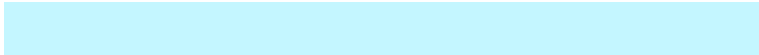
87.9735, 84.8673, 79.1211



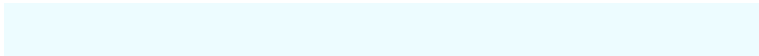
81.4912, 84.8673, 69.9576

# Sweetspot

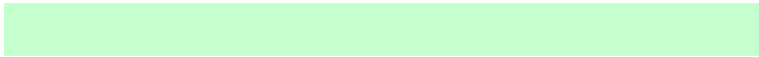
The Sweet Spot groups the original color and five complimentary colors.



73.7729, 84.8706, 107.1012



87.9231, 95.0462, 108.3194



69.5273, 87.6568, 70.9192



18.6937, 20.2557, 23.1744



0.0000, 0.0000, 0.0000

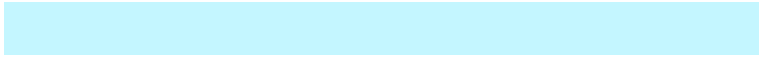


20.3446, 21.4041, 23.3091

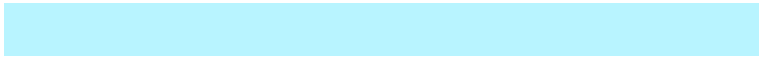


# Same Dimension

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



73.7729, 84.8706, 107.1012



70.1064, 82.1309, 106.7656



65.5389, 68.4026, 104.3565



18.3050, 19.9817, 23.1420



22.3678, 29.6452, 53.9778



2.2389, 3.0085, 5.2760



# Inverse Universe

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



77.6159, 67.3953, 96.1105



74.6439, 61.9136, 93.6950



80.7270, 84.2914, 64.2414



18.6666, 18.2500, 22.1276



28.0784, 13.7207, 35.3931

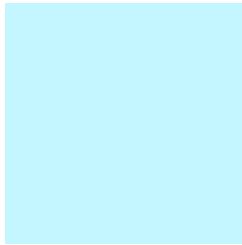


2.7647, 1.3483, 3.6083



# Previews

## White Background



This preview shows how the XYZ color 73.7707, 84.8673, 107.1006 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

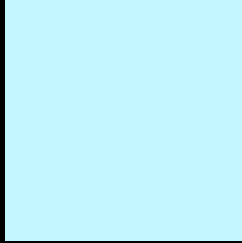
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.7707, 84.8673, 107.1006 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 73.7707, 84.8673, 107.1006

## Background



This preview shows how black text looks on a background with the XYZ color 73.7707, 84.8673, 107.1006.



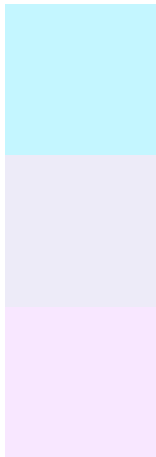
This preview shows how white text looks on a background with the XYZ color 73.7707, 84.8673,



# 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

73.7707, 84.8673, 107.1006

### Protanopia

81.5767, 84.1985, 100.7593

### Deuteranopia

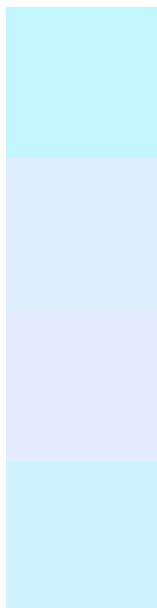
85.3373, 84.3283, 106.3870



## Tritanopia

76.9535, 84.7213, 106.9047

# Trichromacy



## Original Color

73.7707, 84.8673, 107.1006

## Protanomaly

78.4033, 84.2276, 103.3921

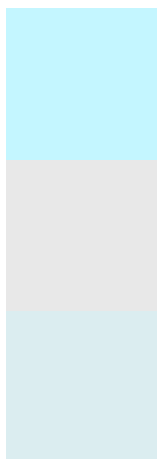
## Deuteranomaly

80.3586, 83.8689, 106.5607

## Tritanomaly

75.5542, 84.4430, 106.9247

# Monochromacy



## Original Color

73.7707, 84.8673, 107.1006

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

75.2258, 81.9197, 94.2853

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.7707, 84.8673, 107.1006 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(196, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 246, 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(196, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 246, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 73.7707, 84.8673, 107.1006 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(196, 246, 255) }
```



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

```
.border{ border-color:rgb(196, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 246,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.7707, 84.8673, 107.1006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 246, 255) }
```

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

```
.background{ background-color: rgb(196,  
246, 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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