

# Converting Colors

XYZ(82.5287, 88.8839,  
151.9139)

Have a look what the booklet for  
XYZ(82.5287, 88.8839, 151.9139)  
contains.

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# Color

**XYZ(74.0757, 85.4773,  
107.2023)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C4F7FF
RGB	196, 247, 255
RGB Percent	77%, 97%, 100%
CMY	0.2314, 0.0314, 0.0000
CMYK	0.23, 0.03, 0.00, 0.00
HSL	188°, 100%, 88%
HSV	188°, 23%, 100%
XYZ	74.0757, 85.4773, 107.2023
YIQ	232.6630, -32.9640, -8.3240

# Conversions

## Conversions Part 2

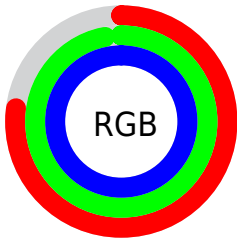
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	196, 223, 255
Decimal	12908543
CIE Lab	94.09, -14.39, -9.16
CIE LCh	94, 17.054, 212.479
Yxy	85.4773, 0.2777, 0.3204
Android (android.graphics.Color)	4291098623 (0xFFC4F7FF)
YUV	232.6630, 11.0121, -32.1535
Hunter-Lab	92.4539, -18.7771, -4.0303

# Details

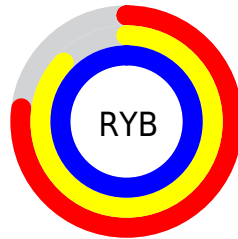
The XYZ color **74.0757, 85.4773, 107.2023** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.7965, 68.4304, 61.5979**, and the grayscale version is **77.1383, 81.1555, 88.3783**.

A 20% lighter version of the original color is **94.6831, 99.8108, 108.8828**, and **39.8083, 47.0015, 60.4002** is the 20% darker color. If you saturate the color by 10%, you get **66.9517, 80.2526, 106.5693**, and if you desaturate by 10%, it is **82.3510, 91.3290, 107.8956**.

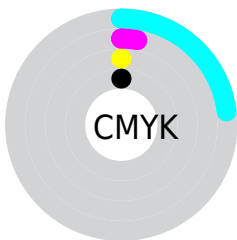
# Distribution



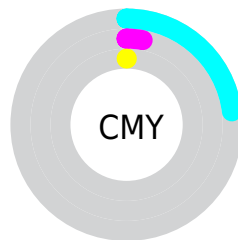
- Red (77%)
- Green (97%)
- Blue (100%)



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



- Cyan (23%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.0757, 85.4773, 107.2023 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 74.0757, 85.4773, 107.2023 by changing the saturation by 10% instead.



74.0757, 85.4773,  
107.2023

74.0757, 85.4773,  
107.2023

463.7809,  
513.2061, 604.4881

55.1475, 64.2358,  
81.6787

123.9980,  
141.0398, 173.1580

39.7541, 46.8417,  
60.5664

155.7229,  
176.1297, 214.4272

27.5303, 32.9105,  
43.4471

192.4440,  
216.6045, 261.7819

18.1105, 22.0579,  
29.9021

234.5267,  
262.8486, 315.6407

11.1295, 13.8995,  
19.5128

282.3364,  
315.2464, 376.4222

6.2220, 8.0508,  
11.8609

336.2384,

3.0224, 4.1275,

374.1824, 444.5449

6.5276

396.5981,  
440.0408, 520.4274

■ 1.1656, 1.7451,  
3.0946

■ 0.0790, 0.4526,  
1.1431

■ 74.0757, 85.4773,  
107.2023

■ 74.0757, 85.4773,  
107.2023

■ 66.9517, 80.2526,  
106.5693

■ 82.3510, 91.3290,  
107.8956

■ 60.9152, 75.6153,  
105.9924

■ 91.8240, 97.8252,  
108.6502

■ 55.9064, 71.5365,  
105.4691

95.0500, 100.0000,  
108.9000

■ 51.8569, 67.9809,  
104.9962

■ 48.6899, 64.9086,  
104.5701

■ 46.3164, 62.2738,  
104.1866

■ 44.6286, 60.0205,  
103.8407

■ 43.7597, 58.6394,  
103.6199

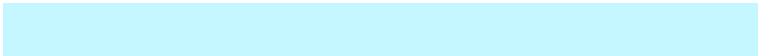
# Harmonies

## Analogous

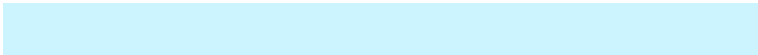
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.8025, 85.4773, 94.1595



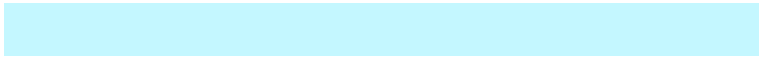
74.0757, 85.4773, 107.2023



77.2627, 85.4773, 117.1387

# Triad

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



74.0757, 85.4773, 107.2023



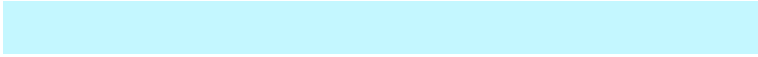
89.2624, 85.4773, 105.1506



80.8654, 85.4773, 70.1889

# Complementary

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



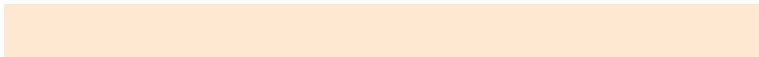
74.0757, 85.4773, 107.2023



72.7965, 68.4304, 61.5979

# 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.



85.3589, 85.4773, 72.5475



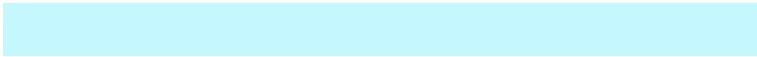
74.0757, 85.4773, 107.2023



90.3132, 85.4773, 91.9895

# Square

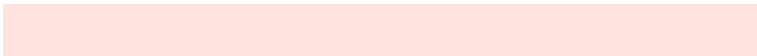
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.0757, 85.4773, 107.2023



86.0389, 85.4773, 115.8785



88.8596, 85.4773, 80.2382

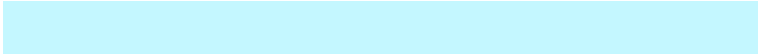


76.6299, 85.4773, 73.4703

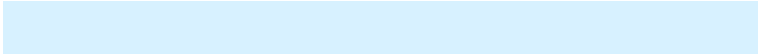


# Rectangle

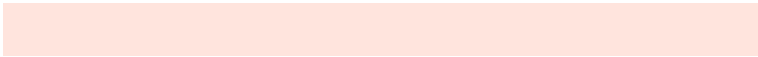
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.0757, 85.4773, 107.2023



80.1024, 85.4773, 120.2231



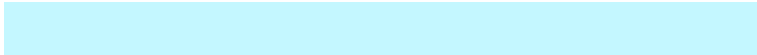
88.8596, 85.4773, 80.2382



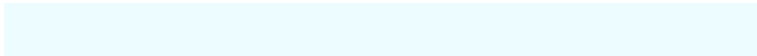
82.3956, 85.4773, 70.3484

# Sweetspot

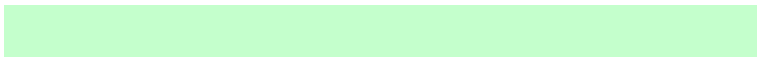
The Sweet Spot groups the original color and five complimentary colors.



74.0780, 85.4807, 107.2028



88.0183, 95.2367, 108.3512



69.4091, 87.6095, 70.2966



18.7159, 20.2999, 23.1818



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

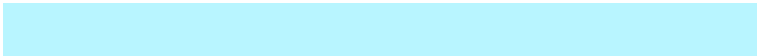


# Same Dimension

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



74.0780, 85.4807, 107.2028



70.4720, 82.8621, 106.8875



65.7926, 68.9099, 104.4410



18.3326, 20.0368, 23.1512



22.9467, 30.8029, 54.1707



2.2898, 3.1102, 5.2929



# Inverse Universe

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



77.7698, 67.4568, 96.9212



74.8285, 61.9874, 94.6667



80.4473, 83.7319, 64.1481



18.6805, 18.2555, 22.2008



28.3706, 13.8375, 36.9318

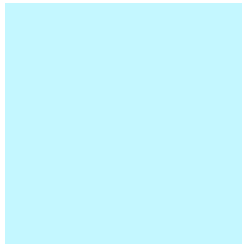


2.7904, 1.3585, 3.7435



# Previews

## White Background



This preview shows how the XYZ color 74.0757, 85.4773, 107.2023 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 74.0757, 85.4773, 107.2023 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

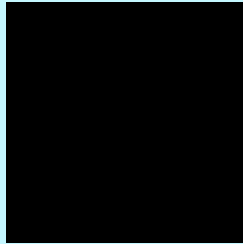
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 74.0757, 85.4773, 107.2023

## Background



This preview shows how black text looks on a background with the XYZ color 74.0757, 85.4773, 107.2023.



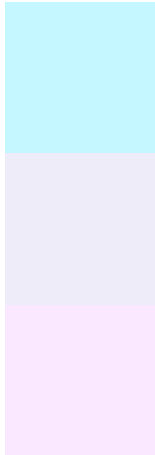
This preview shows how white text looks on a background with the XYZ color 74.0757, 85.4773,



# 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

74.0757, 85.4773, 107.2023

### Protanopia

82.1986, 84.9454, 100.8707

### Deuteranopia

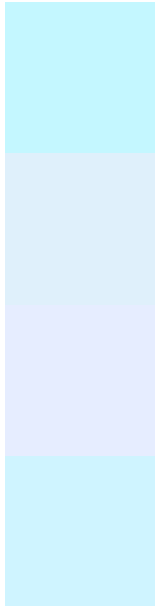
85.9735, 85.0730, 106.4972



## **Tritanopia**

77.5337, 85.0204, 106.9319

# Trichromacy



## Original Color

74.0757, 85.4773, 107.2023

## Protanomaly

79.0041, 84.9732, 103.5043

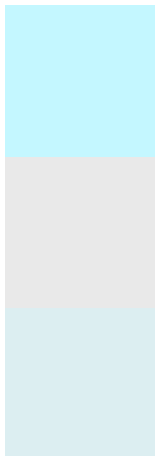
## Deuteranomaly

80.9673, 84.6114, 106.6719

## Tritanomaly

76.1328, 85.1868, 107.0378

# Monochromacy



## Original Color

74.0757, 85.4773, 107.2023

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

75.9669, 82.7156, 95.1809

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.0757, 85.4773, 107.2023 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, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 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(196, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 247, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 74.0757, 85.4773, 107.2023 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, 247, 255) }
```



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

```
.border{ border-color:rgb(196, 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(196, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 247,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.0757, 85.4773, 107.2023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 247, 255) }
```

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

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