

# Converting Colors

XYZ(77.0406, 86.3197,  
118.6805)

Have a look what the booklet for  
XYZ(77.0406, 86.3197, 118.6805)  
contains.

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# Color

**XYZ(74.8252, 85.4109,  
107.1500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8F6FF
RGB	200, 246, 255
RGB Percent	78%, 96%, 100%
CMY	0.2157, 0.0353, 0.0000
CMYK	0.22, 0.04, 0.00, 0.00
HSL	190°, 100%, 89%
HSV	190°, 22%, 100%
XYZ	74.8252, 85.4109, 107.1500
YIQ	233.2720, -30.3050, -6.9530

# Conversions

## Conversions Part 2

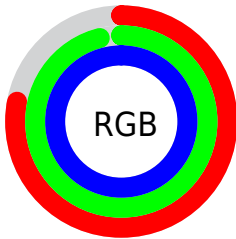
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	200, 225, 255
Decimal	13170431
CIE <sub>Lab</sub>	94.06, -12.72, -9.17
CIE <sub>LCh</sub>	94, 15.681, 215.808
Yxy	85.4109, 0.2798, 0.3194
Android (android.graphics.Color)	4291360511 (0xFFC8F6FF)
YUV	233.2720, 10.7119, -29.1795
Hunter-Lab	92.4180, -17.2110, -4.0486

# Details

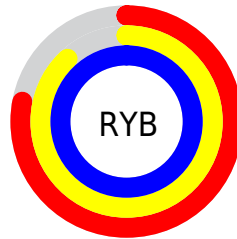
The XYZ color **74.8252, 85.4109, 107.1500** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.4656, 71.0302, 64.4308**, and the grayscale version is **77.5970, 81.6381, 88.9039**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.2836, 46.9239, 60.3601** is the 20% darker color. If you saturate the color by 10%, you get **67.3206, 79.6822, 106.4398**, and if you desaturate by 10%, it is **83.4986, 91.7889, 107.9239**.

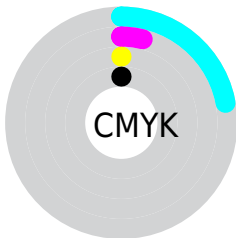
# Distribution



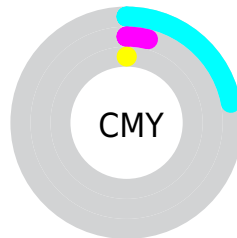
- Red (78%)
- Green (96%)
- Blue (100%)



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



- Cyan (22%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.8252, 85.4109, 107.1500 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 74.8252, 85.4109, 107.1500 by changing the saturation by 10% instead.



74.8252, 85.4109,  
107.1500

74.8252, 85.4109,  
107.1500

466.3230,  
512.9867, 604.3224

55.7634, 64.1810,  
81.6350

125.0541,  
140.9471, 173.0860

40.2495, 46.7972,  
60.5307

156.9519,  
176.0222, 214.3441

27.9182, 32.8754,  
43.4184

193.8591,  
216.4811, 261.6870

18.4041, 22.0310,  
29.8797

236.1410,  
262.7082, 315.5333

11.3420, 13.8797,  
19.4960

284.1630,  
315.0879, 376.3014

6.3663, 8.0370,  
11.8488

338.2904,

3.1118, 4.1187,

374.0046, 444.4099

6.5195

398.8886,  
439.8428, 520.2774

■ 1.2132, 1.7402,  
3.0896

■ 0.1167, 0.4495,  
1.1406

■ 74.8252, 85.4109,  
107.1500

■ 74.8252, 85.4109,  
107.1500

■ 67.3206, 79.6822,  
106.4398

■ 83.4986, 91.7889,  
107.9239

■ 60.9216, 74.5632,  
105.7890

■ 93.3865, 98.8334,  
108.7625

■ 55.5692, 70.0254,  
105.1952

■ 95.0500, 100.0000,  
108.9000

■ 51.1959, 66.0339,  
104.6553

■ 47.7263, 62.5495,  
104.1656

■ 45.0738, 59.5272,  
103.7220

■ 43.1340, 56.9129,  
103.3196

■ 41.9181, 54.9562,  
103.0060

# Harmonies

## Analogous

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



73.4319, 85.4109, 95.3507



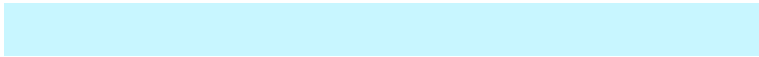
74.8252, 85.4109, 107.1500



77.9260, 85.4109, 115.6542

# Triad

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



74.8252, 85.4109, 107.1500



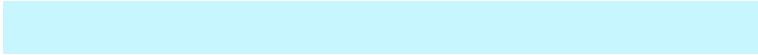
88.7476, 85.4109, 102.7697



80.3685, 85.4109, 71.8946

# Complementary

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



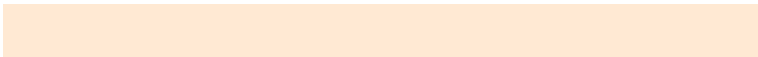
74.8252, 85.4109, 107.1500



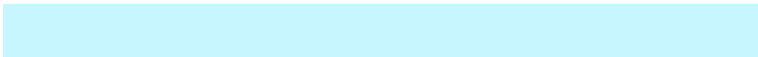
74.4656, 71.0302, 64.4308

# 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.



84.5244, 85.4109, 73.5124



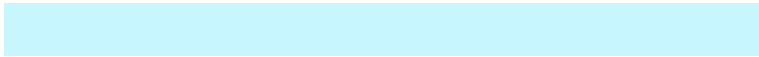
74.8252, 85.4109, 107.1500



89.4559, 85.4109, 90.6842

# Square

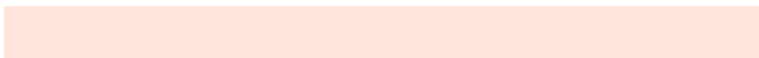
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.8252, 85.4109, 107.1500



85.9823, 85.4109, 112.9769



87.8858, 85.4109, 80.1503

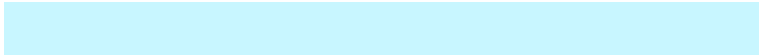


76.5609, 85.4109, 75.5252

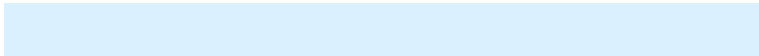


# Rectangle

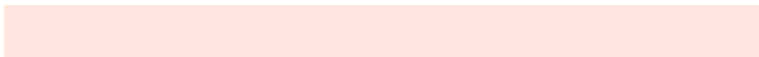
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



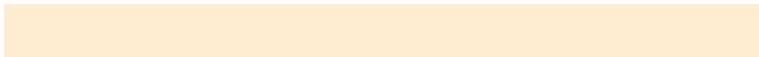
74.8252, 85.4109, 107.1500



80.5935, 85.4109, 117.9393



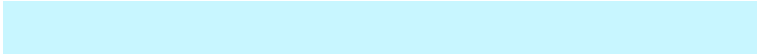
87.8858, 85.4109, 80.1503



81.7704, 85.4109, 71.8469

# Sweetspot

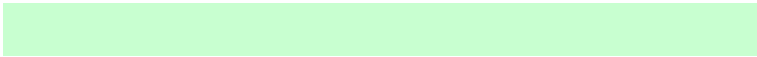
The Sweet Spot groups the original color and five complimentary colors.



74.8274, 85.4143, 107.1505



88.8503, 95.6266, 108.3826



70.9965, 88.3663, 73.1520



18.8790, 20.3693, 23.1866



0.0000, 0.0000, 0.0000

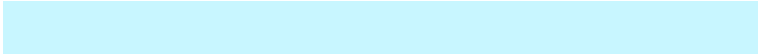


20.3446, 21.4041, 23.3091

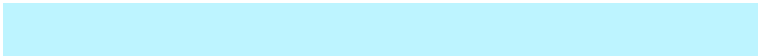


# Same Dimension

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



74.8274, 85.4143, 107.1505



71.3596, 82.7959, 106.8279



67.2675, 70.2943, 104.6305



18.2871, 19.9457, 23.1360



21.9971, 28.9038, 53.8542



2.2062, 2.9431, 5.2651



# Inverse Universe

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



78.5303, 69.2240, 96.4153



75.7260, 64.0674, 94.0874



81.5895, 85.2779, 66.8054



18.6575, 18.2463, 22.0797



27.8913, 13.6458, 34.4078

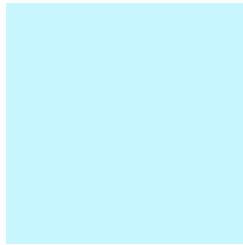


2.7482, 1.3417, 3.5214



# Previews

## White Background



This preview shows how the XYZ color 74.8252, 85.4109, 107.1500 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 74.8252, 85.4109, 107.1500 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

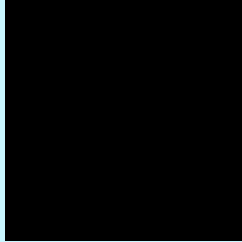
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 74.8252, 85.4109, 107.1500

## Background



This preview shows how black text looks on a background with the XYZ color 74.8252, 85.4109, 107.1500.



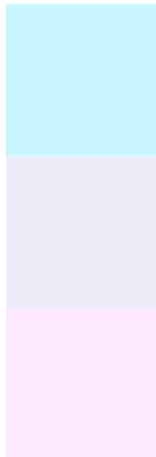
This preview shows how white text looks on a background with the XYZ color 74.8252, 85.4109,



# 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

74.8252, 85.4109, 107.1500

### Protanopia

82.3542, 85.0076, 101.6901

### Deuteranopia

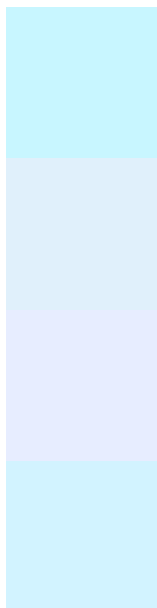
85.9735, 85.0730, 106.4972



## Tritanopia

77.8265, 85.1713, 106.9456

# Trichromacy



## Original Color

74.8252, 85.4109, 107.1500

## Protanomaly

79.3131, 85.1325, 103.5188

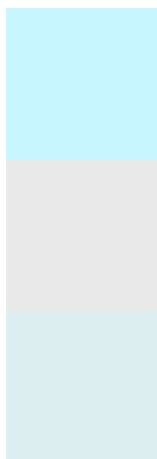
## Deuteranomaly

81.2892, 84.7773, 106.6870

## Tritanomaly

76.6789, 85.0228, 106.9774

# Monochromacy



## Original Color

74.8252, 85.4109, 107.1500

## Achromatopsia

77.4512, 81.4847, 88.7368

## Achromatomaly

76.2705, 82.8721, 95.1951

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.8252, 85.4109, 107.1500 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(200, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 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(200, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 246, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 74.8252, 85.4109, 107.1500 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(200, 246, 255) }
```



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

```
.border{ border-color:rgb(200, 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(200, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 246,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.8252, 85.4109, 107.1500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 246, 255) }
```

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

```
.background{ background-color: rgb(200,  
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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