

Converting Colors

XYZ(74.7051, 85.6962,
107.0166)

Have a look what the booklet for
XYZ(74.7051, 85.6962, 107.0166)
contains.

XYZ(74.8640, 85.8836, 107.2392)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(74.8640, 85.8836,
107.2392)**

Conversions

Conversions Part 1

Format	Color
Hex	C7F7FF
RGB	199, 247, 255
RGB Percent	78%, 97%, 100%
CMY	0.2196, 0.0314, 0.0000
CMYK	0.22, 0.03, 0.00, 0.00
HSL	189°, 100%, 89%
HSV	189°, 22%, 100%
XYZ	74.8640, 85.8836, 107.2392
YIQ	233.5600, -31.1760, -7.6880

Conversions

Conversions Part 2

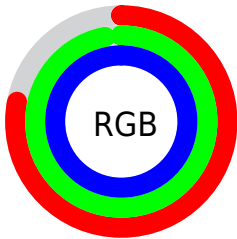
Format	Color
R_{YB}	199, 225, 255
Decimal	13105151
CIE _{Lab}	94.26, -13.51, -8.88
CIE _{LCh}	94, 16.168, 213.316
Yxy	85.8836, 0.2794, 0.3205
Android (android.graphics.Color)	4291295231 (0xFFC7F7FF)
YUV	233.5600, 10.5699, -30.3091
Hunter-Lab	92.6734, -17.9815, -3.7374

Details

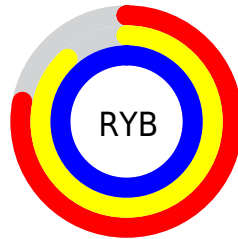
The XYZ color **74.8640, 85.8836, 107.2392** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.8616, 70.0086, 63.6549**, and the grayscale version is **77.8157, 81.8682, 89.1544**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.3254, 47.2681, 60.4244** is the 20% darker color. If you saturate the color by 10%, you get **67.5547, 80.4809, 106.5816**, and if you desaturate by 10%, it is **83.3333, 91.9210, 107.9581**.

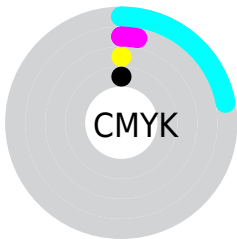
Distribution



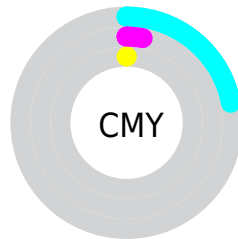
- Red (78%)
- Green (97%)
- Blue (100%)



- 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 74.8640, 85.8836, 107.2392 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 74.8640, 85.8836, 107.2392 by changing the saturation by 10% instead.

74.8640, 85.8836,
107.2392

74.8640, 85.8836,
107.2392

466.4544,
514.5473, 604.6050

55.7953, 64.5717,
81.7094

125.1088,
141.6070, 173.2088

40.2752, 47.1139,
60.5916

157.0155,
176.7874, 214.4857

27.9383, 33.1257,
43.4673

193.9323,
217.3594, 261.8488

18.4194, 22.2228,
29.9178

236.2245,
263.7074, 315.7165

11.3530, 14.0207,
19.5247

284.2574,
316.2158, 376.5075

6.3738, 8.1350,
11.8694

338.3965,

3.1165, 4.1815,

375.2689, 444.6402

6.5333

399.0070,
441.2513, 520.5332

■ 1.2157, 1.7756,
3.0980

■ 0.1187, 0.4719,
1.1449

■ 74.8640, 85.8836,
107.2392

■ 74.8640, 85.8836,
107.2392

■ 67.5547, 80.4809,
106.5816

■ 83.3333, 91.9210,
107.9581

■ 61.3419, 75.6734,
105.9811

■ 93.0083, 98.6102,
108.7394

■ 56.1666, 71.4326,
105.4353

■ 95.0500, 100.0000,
108.9000

■ 51.9611, 67.7235,
104.9410

■ 48.6497, 64.5068,
104.4947

■ 46.1452, 61.7376,
104.0922

■ 44.3424, 59.3612,
103.7285

■ 43.2749, 57.6699,
103.4583

Harmonies

Analogous

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



73.5920, 85.8836, 94.8995



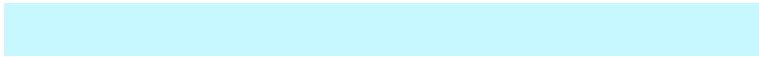
74.8640, 85.8836, 107.2392



77.9455, 85.8836, 116.4919

Triad

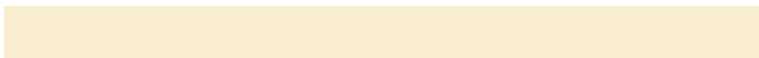
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.8640, 85.8836, 107.2392



89.3020, 85.8836, 104.6416



81.1489, 85.8836, 71.6584

Complementary

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



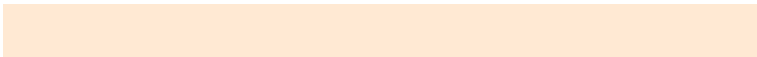
74.8640, 85.8836, 107.2392



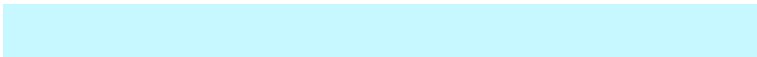
73.8616, 70.0086, 63.6549

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.



85.4284, 85.8836, 73.7734



74.8640, 85.8836, 107.2392



90.2325, 85.8836, 92.1394

Square

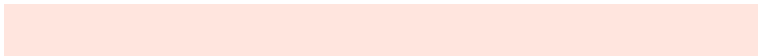
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.8640, 85.8836, 107.2392



86.2917, 85.8836, 114.9014



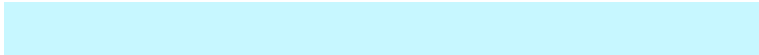
88.7914, 85.8836, 81.0104



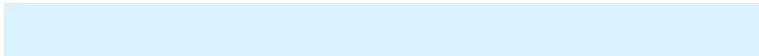
77.1389, 85.8836, 74.9580

Rectangle

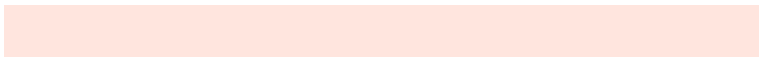
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.8640, 85.8836, 107.2392



80.6639, 85.8836, 119.2679



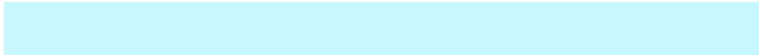
88.7914, 85.8836, 81.0104



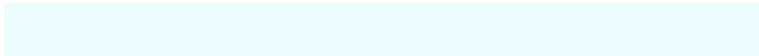
82.6033, 85.8836, 71.7608

Sweetspot

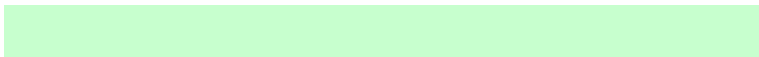
The Sweet Spot groups the original color and five complimentary colors.



74.8663, 85.8870, 107.2397



87.9775, 95.1550, 108.3376



70.5117, 88.1416, 71.9886



18.7064, 20.2810, 23.1786



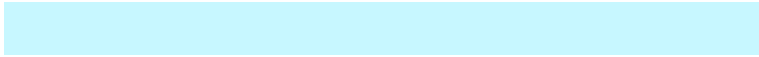
0.0000, 0.0000, 0.0000



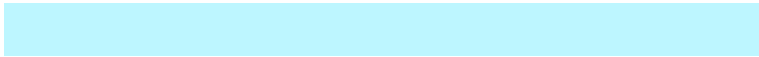
20.3446, 21.4041, 23.3091

Same Dimension

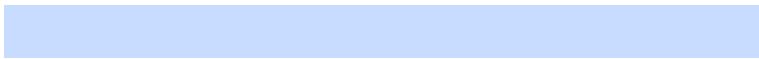
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.8663, 85.8870, 107.2397



71.7760, 83.6287, 106.9667



67.0755, 70.3054, 104.6428



18.3208, 20.0132, 23.1473



22.6968, 30.3032, 54.0874



2.2678, 3.0664, 5.2856

Inverse Universe

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



78.4534, 68.8240, 97.1490



75.9362, 64.1515, 95.1942



81.1054, 84.4961, 66.0694



18.6746, 18.2531, 22.1694



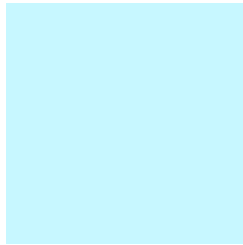
28.2445, 13.7871, 36.2676



2.7793, 1.3541, 3.6852

Previews

White Background



This preview shows how the XYZ color 74.8640, 85.8836, 107.2392 looks on a white background.

Color Contrast Check

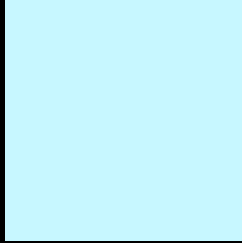
Large Text (above 18pt) WCAG AA × Fail

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 74.8640, 85.8836, 107.2392 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 74.8640, 85.8836, 107.2392

Background



This preview shows how black text looks on a background with the XYZ color 74.8640, 85.8836, 107.2392.

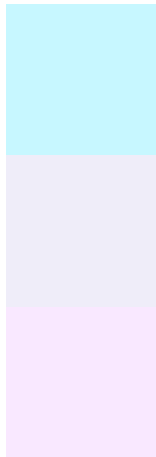


This preview shows how white text looks on a background with the XYZ color 74.8640, 85.8836,

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

74.8640, 85.8836, 107.2392

Protanopia

82.9797, 85.7586, 101.8021

Deuteranopia

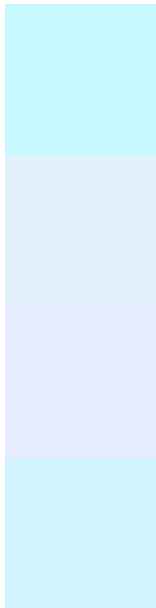
85.9735, 85.0730, 106.4972



Tritanopia

78.4195, 85.9201, 107.0588

Trichromacy



Original Color

74.8640, 85.8836, 107.2392

Protanomaly

79.6084, 85.7229, 103.6172

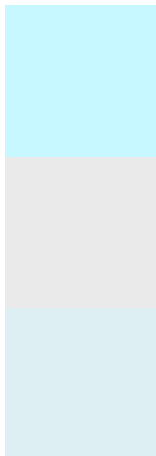
Deuteranomaly

81.2892, 84.7773, 106.6870

Tritanomaly

76.9790, 85.6230, 107.0774

Monochromacy



Original Color

74.8640, 85.8836, 107.2392

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 74.8640, 85.8836, 107.2392 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, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 74.8640, 85.8836, 107.2392 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, 247, 255) }
```


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

```
.border{ border-color:rgb(199, 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(199, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 74.8640, 85.8836, 107.2392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 247, 255) }
```

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

```
.background{ background-color: rgb(199,  
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](#).

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