

Converting Colors

XYZ(74.7991, 83.7519,
106.8311)

Have a look what the booklet for
XYZ(74.7991, 83.7519, 106.8311)
contains.

XYZ(74.7040, 83.5616, 106.7994)	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(74.7040, 83.5616,
106.7994)**

Conversions

Conversions Part 1

Format	Color
Hex	CCF2FF
RGB	204, 242, 255
RGB Percent	80%, 95%, 100%
CMY	0.2000, 0.0510, 0.0000
CMYK	0.20, 0.05, 0.00, 0.00
HSL	195°, 100%, 90%
HSV	195°, 20%, 100%
XYZ	74.7040, 83.5616, 106.7994
YIQ	232.1200, -26.8210, -4.0130

Conversions

Conversions Part 2

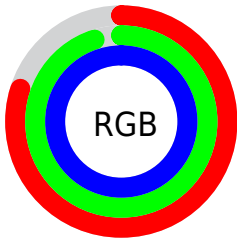
Format	Color
R_{YB}	204, 226, 255
Decimal	13431551
CIE _{Lab}	93.26, -9.52, -10.34
CIE _{LCh}	93, 14.052, 227.363
Yxy	83.5616, 0.2818, 0.3152
Android (android.graphics.Color)	4291621631 (0xFFCCCF2FF)
YUV	232.1200, 11.2798, -24.6612
Hunter-Lab	91.4120, -14.0968, -5.2818

Details

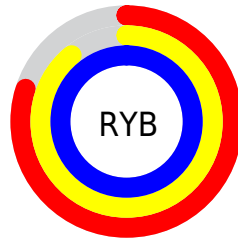
The XYZ color **74.7040, 83.5616, 106.7994** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.9518, 75.2445, 67.5965**, and the grayscale version is **76.7261, 80.7218, 87.9060**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.1464, 45.5846, 60.1088** is the 20% darker color. If you saturate the color by 10%, you get **66.3794, 76.4519, 105.8659**, and if you desaturate by 10%, it is **84.2460, 91.4053, 107.8105**.

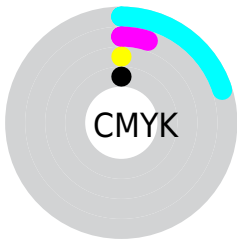
Distribution



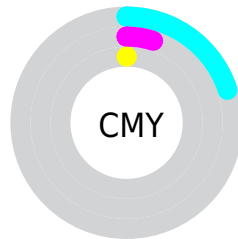
- Red (80%)
- Green (95%)
- Blue (100%)



- Red (80%)
- Yellow (89%)
- Blue (100%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.7040, 83.5616, 106.7994 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 74.7040, 83.5616, 106.7994 by changing the saturation by 10% instead.

74.7040, 83.5616,
106.7994

74.7040, 83.5616,
106.7994

465.9124,
506.8563, 603.2110

55.6637, 62.6535,
81.3426

124.8834,
138.3618, 172.6033

40.1693, 45.5610,
60.2911

156.7533,
173.0226, 213.7874

27.8554, 31.8995,
43.2265

193.6304,
213.0366, 261.0510

18.3566, 21.2848,
29.7302

235.8802,
258.7880, 314.8127

11.3075, 13.3323,
19.3836

283.8679,
310.6613, 375.4910

6.3429, 7.6578,
11.7681

337.9590,

3.0973, 3.8768,

369.0409, 443.5045

6.4654

398.5187,
434.3111, 519.2716

■ 1.2054, 1.6049,
3.0567

■ 0.1107, 0.3609,
1.1237

■ 74.7040, 83.5616,
106.7994

■ 74.7040, 83.5616,
106.7994

■ 66.3794, 76.4519,
105.8659

■ 84.2460, 91.4053,
107.8105

■ 59.2092, 70.0361,
105.0054

95.0500, 100.0000,
108.9000

■ 53.1347, 64.2851,
104.2155

■ 48.0890, 59.1633,
103.4928

■ 43.9976, 54.6312,
102.8337

■ 40.7753, 50.6438,
102.2339

■ 38.3206, 47.1475,
101.6884

■ 36.4681, 44.0560,
101.1893

■ 36.4678, 44.0557,
101.1893

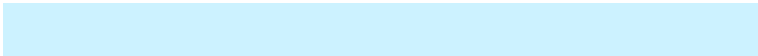
Harmonies

Analogous

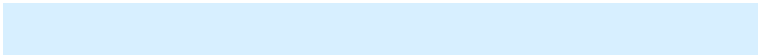
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.8289, 83.5616, 97.1965



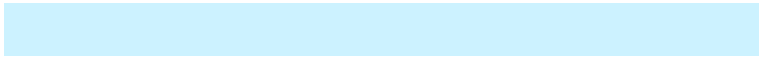
74.7040, 83.5616, 106.7994



77.8776, 83.5616, 112.3324

Triad

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



74.7040, 83.5616, 106.7994



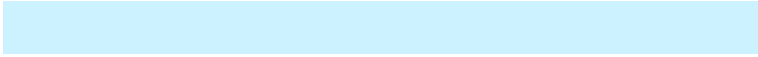
86.5637, 83.5616, 95.5119



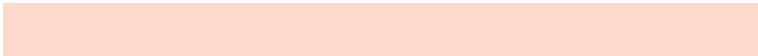
77.3201, 83.5616, 72.9025

Complementary

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



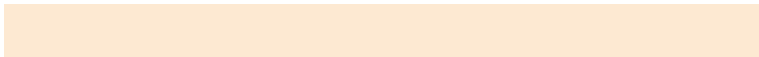
74.7040, 83.5616, 106.7994



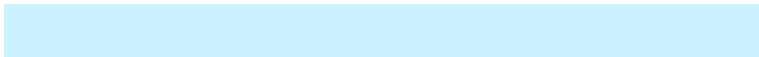
76.9518, 75.2445, 67.5965

Split Complementary

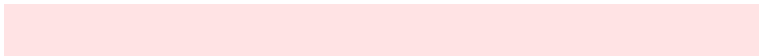
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9883, 83.5616, 72.5284



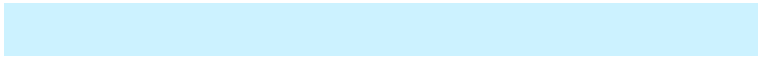
74.7040, 83.5616, 106.7994



86.4031, 83.5616, 85.0428

Square

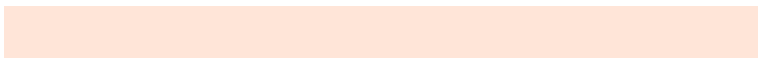
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.7040, 83.5616, 106.7994



84.7683, 83.5616, 105.4840



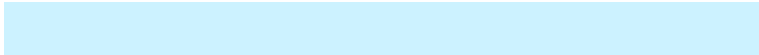
84.3362, 83.5616, 76.8132



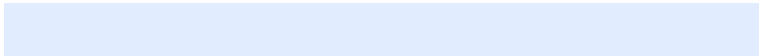
74.3068, 83.5616, 77.8783

Rectangle

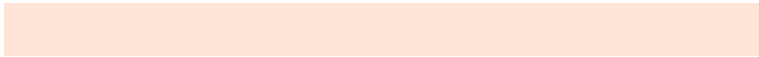
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



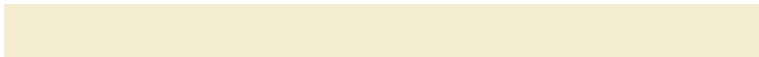
74.7040, 83.5616, 106.7994



80.3373, 83.5616, 112.7073



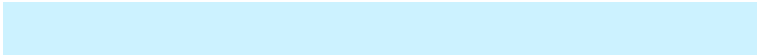
84.3362, 83.5616, 76.8132



78.5152, 83.5616, 72.2490

Sweetspot

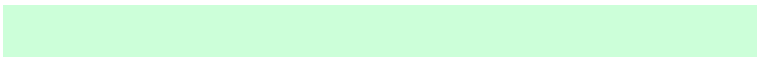
The Sweet Spot groups the original color and five complimentary colors.



74.7062, 83.5649, 106.7999



88.4122, 94.7504, 108.2366



73.1548, 89.3547, 78.8683



18.7752, 20.1618, 23.1520



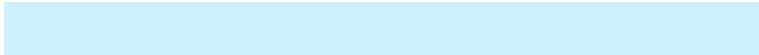
0.0000, 0.0000, 0.0000



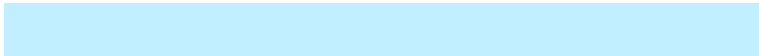
20.3446, 21.4041, 23.3091

Same Dimension

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



74.7062, 83.5649, 106.7999



71.2320, 80.6332, 106.4172



67.7017, 69.5559, 104.4651



18.1400, 19.6516, 23.0870



19.1814, 23.2723, 52.9156



1.9551, 2.4410, 5.1814

Inverse Universe

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



78.8613, 70.8582, 93.5288



76.1272, 66.0106, 90.7043



83.9663, 89.2734, 69.9346



18.5833, 18.2166, 21.6888



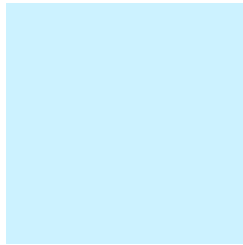
26.4701, 13.0773, 26.9235



2.6215, 1.2910, 2.8541

Previews

White Background



This preview shows how the XYZ color 74.7040, 83.5616, 106.7994 looks on a white background.

Color Contrast Check

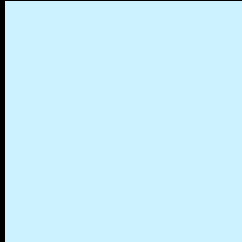
Large Text (above 18pt) WCAG AA × Fail

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 74.7040, 83.5616, 106.7994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

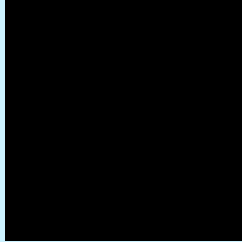
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 74.7040, 83.5616, 106.7994

Background



This preview shows how black text looks on a background with the XYZ color 74.7040, 83.5616, 106.7994.



This preview shows how white text looks on a background with the XYZ color 74.7040, 83.5616,

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

74.7040, 83.5616, 106.7994

Protanopia

80.9391, 83.4099, 102.2763

Deuteranopia

84.3529, 83.4065, 106.2609



Tritanopia

76.3615, 83.5372, 106.7074

Trichromacy



Original Color

74.7040, 83.5616, 106.7994

Protanomaly

78.5953, 83.4439, 104.0593

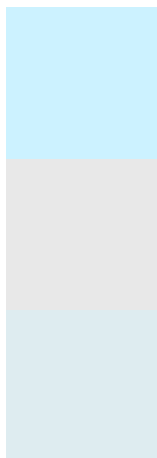
Deuteranomaly

80.4278, 83.0546, 106.3999

Tritanomaly

75.7998, 83.6859, 106.7657

Monochromacy



Original Color

74.7040, 83.5616, 106.7994

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

75.8478, 81.8118, 94.2317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.7040, 83.5616, 106.7994 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(204, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 242, 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(204, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 74.7040, 83.5616, 106.7994 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(204, 242, 255) }
```


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

```
.border{ border-color:rgb(204, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 74.7040, 83.5616, 106.7994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 242, 255) }
```

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

```
.background{ background-color: rgb(204,  
242, 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