

Converting Colors

XYZ(74.2377, 83.4375,
106.8000)

Have a look what the booklet for
XYZ(74.2377, 83.4375, 106.8000)
contains.

XYZ(74.1593, 83.2808, 106.7739)	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(74.1593, 83.2808,
106.7739)**

Conversions

Conversions Part 1

Format	Color
Hex	CAF2FF
RGB	202, 242, 255
RGB Percent	79%, 95%, 100%
CMY	0.2078, 0.0510, 0.0000
CMYK	0.21, 0.05, 0.00, 0.00
HSL	195°, 100%, 90%
HSV	195°, 21%, 100%
XYZ	74.1593, 83.2808, 106.7739
YIQ	231.5220, -28.0130, -4.4370

Conversions

Conversions Part 2

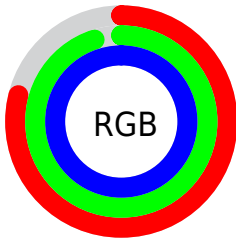
Format	Color
R _Y B	202, 225, 255
Decimal	13300479
CIE Lab	93.14, -10.11, -10.53
CIE LCh	93, 14.602, 226.161
Yxy	83.2808, 0.2807, 0.3152
Android (android.graphics.Color)	4291490559 (0xFFCAF2FF)
YUV	231.5220, 11.5747, -25.8908
Hunter-Lab	91.2583, -14.6475, -5.4896

Details

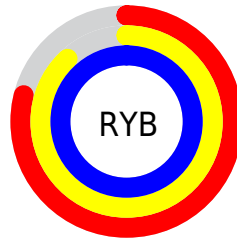
The XYZ color **74.1593, 83.2808, 106.7739** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.2010, 74.1244, 66.1703**, and the grayscale version is **76.2778, 80.2502, 87.3925**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.7846, 45.3981, 60.0919** is the 20% darker color. If you saturate the color by 10%, you get **65.9926, 76.3571, 105.8679**, and if you desaturate by 10%, it is **83.5341, 90.9261, 107.7555**.

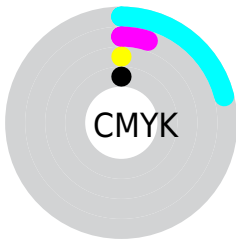
Distribution



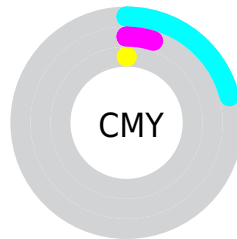
- Red (79%)
- Green (95%)
- Blue (100%)



- Red (79%)
- Yellow (88%)
- Blue (100%)



- Cyan (21%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.1593, 83.2808, 106.7739 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 74.1593, 83.2808, 106.7739 by changing the saturation by 10% instead.

74.1593, 83.2808,
106.7739

74.1593, 83.2808,
106.7739

464.0648,
505.9219, 603.1301

55.2162, 62.4218,
81.3213

124.1159,
137.9687, 172.5681

39.8094, 45.3736,
60.2737

155.8601,
172.5664, 213.7469

27.5735, 31.7518,
43.2126

192.6020,
212.5124, 261.0048

18.1432, 21.1720,
29.7193

234.7069,
258.1912, 314.7603

11.1532, 13.2498,
19.3754

282.5404,
309.9872, 375.4321

6.2380, 7.6008,
11.7623

336.4676,

3.0324, 3.8406,

368.2847, 443.4386

6.4615

396.8539,
433.4681, 519.1984

■ 1.1709, 1.5848,
3.0544

■ 0.0832, 0.3473,
1.1225

■ 74.1593, 83.2808,
106.7739

■ 74.1593, 83.2808,
106.7739

■ 65.9926, 76.3571,
105.8679

■ 83.5341, 90.9261,
107.7555

■ 58.9707, 70.1149,
105.0332

■ 94.1631, 99.3112,
108.8138

■ 53.0347, 64.5251,
104.2671

■ 95.0500, 100.0000,
108.9000

■ 48.1171, 59.5519,
103.5664

■ 44.1429, 55.1558,
102.9273

■ 41.0258, 51.2912,
102.3456

■ 38.6629, 47.9040,
101.8164

■ 37.0035, 45.1270,
101.3678

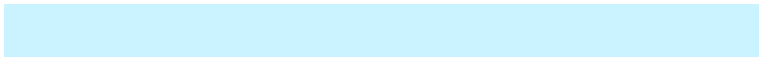
Harmonies

Analogous

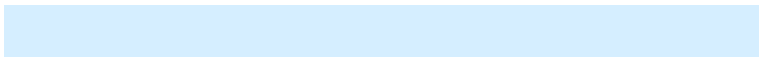
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.2849, 83.2808, 96.6825



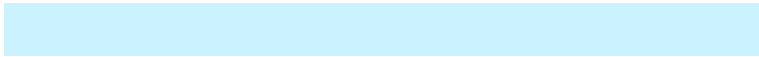
74.1593, 83.2808, 106.7739



77.4058, 83.2808, 112.7600

Triad

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



74.1593, 83.2808, 106.7739



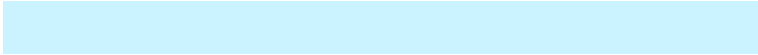
86.5311, 83.2808, 95.8225



77.1219, 83.2808, 71.8759

Complementary

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



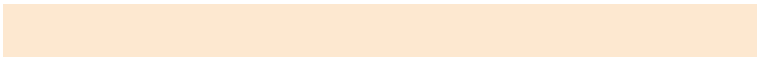
74.1593, 83.2808, 106.7739



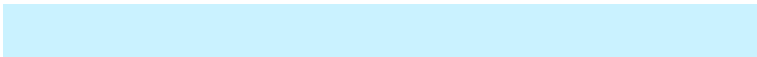
76.2010, 74.1244, 66.1703

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.



80.9322, 83.2808, 71.6864



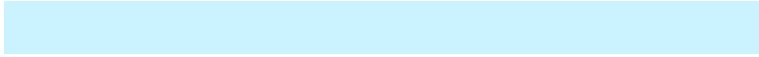
74.1593, 83.2808, 106.7739



86.4491, 83.2808, 84.9286

Square

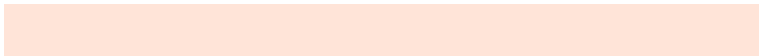
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



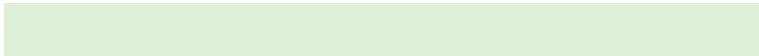
74.1593, 83.2808, 106.7739



84.5927, 83.2808, 106.1007



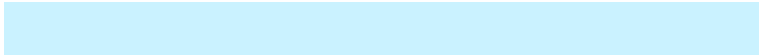
84.3720, 83.2808, 76.2880



73.9572, 83.2808, 76.8285

Rectangle

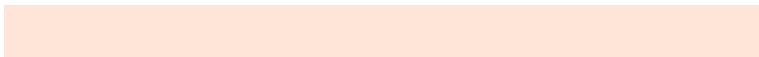
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



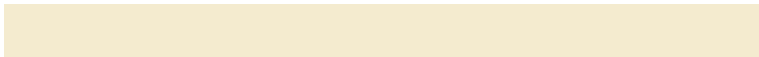
74.1593, 83.2808, 106.7739



79.9497, 83.2808, 113.3285



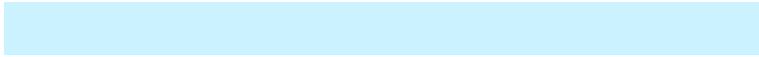
84.3720, 83.2808, 76.2880



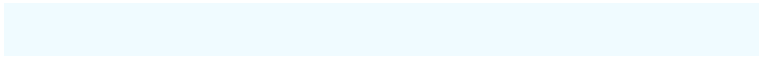
78.3674, 83.2808, 71.2675

Sweetspot

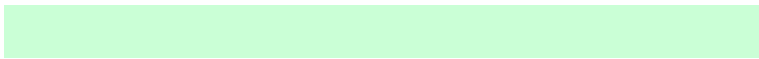
The Sweet Spot groups the original color and five complimentary colors.



74.1615, 83.2841, 106.7745



88.4582, 94.8424, 108.2519



72.3028, 88.9509, 77.2242



18.7861, 20.1835, 23.1556



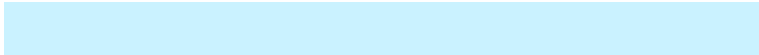
0.0000, 0.0000, 0.0000



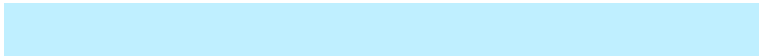
20.3446, 21.4041, 23.3091

Same Dimension

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



74.1615, 83.2841, 106.7745



70.5732, 80.2775, 106.3833



66.9986, 68.9582, 104.3868



18.1554, 19.6824, 23.0921



19.4585, 23.8266, 53.0080



1.9801, 2.4909, 5.1897

Inverse Universe

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



78.3890, 69.9136, 93.3713



75.5598, 64.8845, 90.4883



83.3171, 88.3566, 68.5423



18.5911, 18.2197, 21.7298



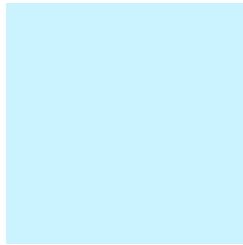
26.6099, 13.1333, 27.6602



2.6341, 1.2960, 2.9204

Previews

White Background



This preview shows how the XYZ color 74.1593, 83.2808, 106.7739 looks on a white background.

Color Contrast Check

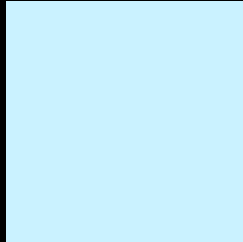
Large Text (above 18pt) WCAG AA × Fail

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 74.1593, 83.2808, 106.7739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

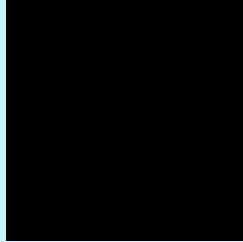
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 74.1593, 83.2808, 106.7739

Background



This preview shows how black text looks on a background with the XYZ color 74.1593, 83.2808, 106.7739.



This preview shows how white text looks on a background with the XYZ color 74.1593, 83.2808,

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

74.1593, 83.2808, 106.7739

Protanopia

80.6552, 82.8421, 102.1816

Deuteranopia

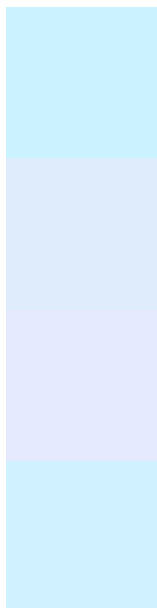
83.7255, 82.6711, 106.1521



Tritanopia

76.0741, 83.3891, 106.6939

Trichromacy



Original Color

74.1593, 83.2808, 106.7739

Protanomaly

77.9976, 82.7072, 103.9486

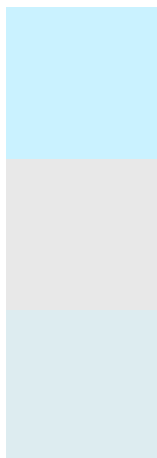
Deuteranomaly

79.7859, 82.7237, 106.3698

Tritanomaly

75.5177, 83.5405, 106.7525

Monochromacy



Original Color

74.1593, 83.2808, 106.7739

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

75.5424, 81.6543, 94.2174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.1593, 83.2808, 106.7739 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(202, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 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(202, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 74.1593, 83.2808, 106.7739 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(202, 242, 255) }
```


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

```
.border{ border-color:rgb(202, 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(202, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 74.1593, 83.2808, 106.7739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 242, 255) }
```

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

```
.background{ background-color: rgb(202,  
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