

Converting Colors

XYZ(84.7019, 93.0769,
158.6403)

Have a look what the booklet for
XYZ(84.7019, 93.0769, 158.6403)
contains.

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Color

**XYZ(74.9777, 89.1800,
107.8695)**

Conversions

Conversions Part 1

Format	Color
Hex	BFFEFF
RGB	191, 254, 255
RGB Percent	75%, 100%, 100%
CMY	0.2510, 0.0039, 0.0000
CMYK	0.25, 0.00, 0.00, 0.00
HSL	181°, 100%, 87%
HSV	181°, 25%, 100%
XYZ	74.9777, 89.1800, 107.8695
YIQ	235.2770, -37.8690, -13.0450

Conversions

Conversions Part 2

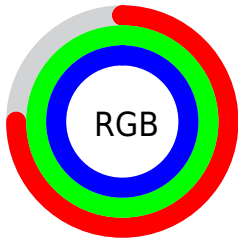
Format	Color
R_{YB}	191, 223, 255
Decimal	12582655
CIE _{Lab}	95.66, -19.28, -6.87
CIE _{LCh}	96, 20.469, 199.605
Yxy	89.1800, 0.2756, 0.3278
Android (android.graphics.Color)	4290772735 (0xFFBFFEFF)
YUV	235.2770, 9.7234, -38.8309
Hunter-Lab	94.4352, -23.5398, -1.6200

Details

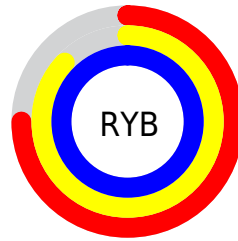
The XYZ color **74.9777, 89.1800, 107.8695** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.4936, 62.7203, 57.7356**, and the grayscale version is **79.1275, 83.2483, 90.6574**.

A 20% lighter version of the original color is **92.8769, 98.8797, 108.7983**, and **40.3126, 49.2440, 60.8064** is the 20% darker color. If you saturate the color by 10%, you get **68.9896, 85.9087, 107.5536**, and if you desaturate by 10%, it is **82.0871, 93.0344, 108.2387**.

Distribution



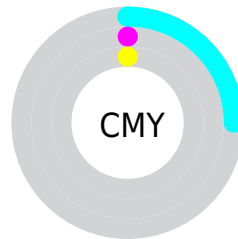
- Red (75%)
- Green (100%)
- Blue (100%)



- Red (75%)
- Yellow (87%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.9777, 89.1800, 107.8695 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 74.9777, 89.1800, 107.8695 by changing the saturation by 10% instead.


 74.9777, 89.1800,
107.8695

 74.9777, 89.1800,
107.8695


466.8393,
525.3598, 606.5999

 55.8887, 67.3007,
82.2353


 125.2689,
146.1989, 174.0762

 40.3504, 49.3291,
61.0226


157.2018,
182.1072, 215.4859

 27.9973, 34.8806,
43.8127


194.1467,
223.4608, 262.9911

 18.4640, 23.5709,
30.1872

236.4691,
270.6439, 317.0105

 11.3854, 15.0156,
19.7275

284.5341,
324.0410, 377.9625

 6.3958, 8.8304,
12.0150

338.7073,

 3.1302, 4.6307,

384.0364, 446.2657

6.6312

399.3539,
451.0145, 522.3386

■ 1.2230, 2.0323,
3.1576

■ 0.1244, 0.6261,
1.1757

■ 74.9777, 89.1800,
107.8695

■ 74.9777, 89.1800,
107.8695

■ 68.9896, 85.9087,
107.5536

■ 82.0871, 93.0344,
108.2387

■ 64.0580, 83.1801,
107.2869

■ 90.3646, 97.4889,
108.6623

■ 60.1221, 80.9653,
107.0668

95.0500, 100.0000,
108.9000

■ 57.1122, 79.2282,
106.8902

■ 54.9496, 77.9282,
106.7532

■ 53.5424, 77.0181,
106.6517

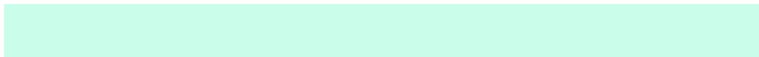
■ 52.7776, 76.4395,
106.5804

■ 52.5581, 76.2361,
106.5527

Harmonies

Analogous

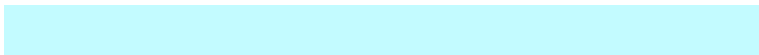
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.5643, 89.1800, 91.6198



74.9777, 89.1800, 107.8695



77.9457, 89.1800, 122.6525

Triad

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



74.9777, 89.1800, 107.8695



93.2691, 89.1800, 118.5889



86.7293, 89.1800, 69.7121

Complementary

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



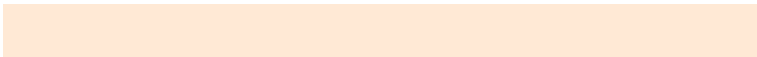
74.9777, 89.1800, 107.8695



69.4936, 62.7203, 57.7356

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.



91.9665, 89.1800, 75.3716



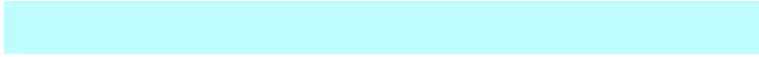
74.9777, 89.1800, 107.8695



95.8515, 89.1800, 102.7984

Square

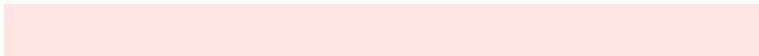
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.9777, 89.1800, 107.8695



88.4437, 89.1800, 129.2994



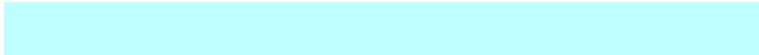
95.3645, 89.1800, 87.0757



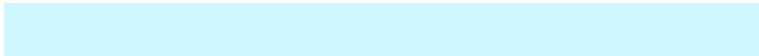
81.1857, 89.1800, 70.7492

Rectangle

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



74.9777, 89.1800, 107.8695



81.0496, 89.1800, 129.1226



95.3645, 89.1800, 87.0757



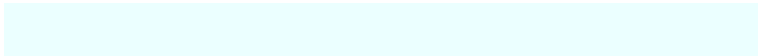
88.5879, 89.1800, 70.8676

Sweetspot

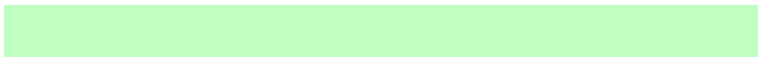
The Sweet Spot groups the original color and five complimentary colors.



74.9800, 89.1835, 107.8700



87.8379, 96.1319, 108.5335



66.6510, 86.3585, 62.4480



18.5292, 20.4301, 23.2168



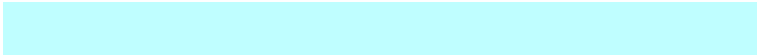
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



74.9800, 89.1835, 107.8700



71.9067, 87.5076, 107.7085



65.9248, 71.0730, 104.8516



18.5292, 20.4301, 23.2168



27.4738, 39.8571, 55.6798



2.6825, 3.8957, 5.4238

Inverse Universe

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



77.7617, 65.6791, 102.3489



75.1191, 60.4437, 101.3145



77.0324, 77.7979, 60.2485



18.7798, 18.2952, 22.7235



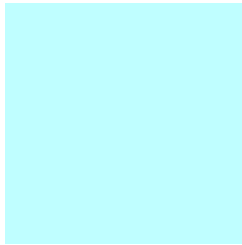
30.6557, 14.7516, 48.9648



2.9886, 1.4378, 4.7874

Previews

White Background



This preview shows how the XYZ color 74.9777, 89.1800, 107.8695 looks on a white background.

Color Contrast Check

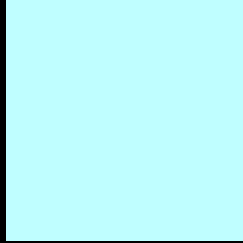
Large Text (above 18pt) WCAG AA × Fail

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 74.9777, 89.1800, 107.8695 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 74.9777, 89.1800, 107.8695

Background



This preview shows how black text looks on a background with the XYZ color 74.9777, 89.1800, 107.8695.

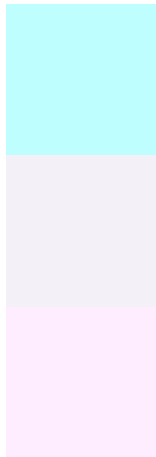


This preview shows how white text looks on a background with the XYZ color 74.9777, 89.1800,

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

74.9777, 89.1800, 107.8695

Protanopia

85.2568, 88.2687, 100.5397

Deuteranopia

88.9185, 88.2817, 106.9613



Tritanopia

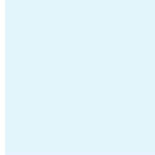
81.4372, 88.8195, 107.4594

Trichromacy



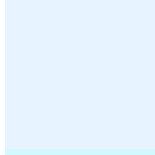
Original Color

74.9777, 89.1800, 107.8695



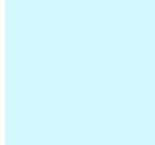
Protanomaly

80.9591, 88.2145, 103.2026



Deuteranomaly

83.0556, 88.3101, 107.2758



Tritanomaly

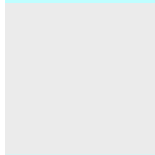
78.7897, 88.8202, 107.5991

Monochromacy



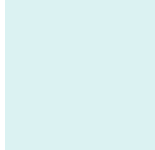
Original Color

74.9777, 89.1800, 107.8695



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.9926, 84.9751, 96.3483

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.9777, 89.1800, 107.8695 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(191, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 254, 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(191, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 254, 255) }
```

Border

The CSS property to change the border of an element to XYZ 74.9777, 89.1800, 107.8695 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(191, 254, 255) }
```


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

```
.border{ border-color:rgb(191, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 254,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 74.9777, 89.1800, 107.8695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 254, 255) }
```

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

```
.background{ background-color: rgb(191,  
254, 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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