

Converting Colors

XYZ(77.7869, 89.5666,
113.5313)

Have a look what the booklet for
XYZ(77.7869, 89.5666, 113.5313)
contains.

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Color

**XYZ(76.6798, 89.1202,
107.7682)**

Conversions

Conversions Part 1

Format	Color
Hex	C8FCFF
RGB	200, 252, 255
RGB Percent	78%, 99%, 100%
CMY	0.2157, 0.0117, 0.0000
CMYK	0.22, 0.01, 0.00, 0.00
HSL	183°, 100%, 89%
HSV	183°, 22%, 100%
XYZ	76.6798, 89.1202, 107.7682
YIQ	236.7940, -31.9550, -10.0910

Conversions

Conversions Part 2

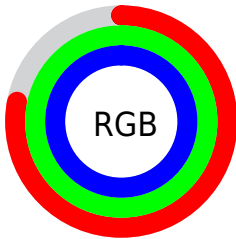
Format	Color
R _Y B	200, 227, 255
Decimal	13171967
CIE Lab	95.63, -15.70, -6.85
CIE LCh	96, 17.133, 203.561
Yxy	89.1202, 0.2803, 0.3258
Android (android.graphics.Color)	4291362047 (0xFFC8FCFF)
YUV	236.7940, 8.9756, -32.2683
Hunter-Lab	94.4035, -20.2184, -1.6012

Details

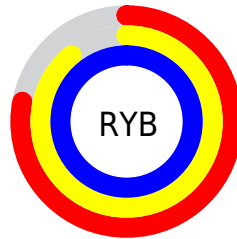
The XYZ color **76.6798, 89.1202, 107.7682** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.0210, 68.1410, 63.9491**, and the grayscale version is **80.2906, 84.4719, 91.9899**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3852, 49.1272, 60.7273** is the 20% darker color. If you saturate the color by 10%, you get **69.9952, 85.0315, 107.3313**, and if you desaturate by 10%, it is **84.5080, 93.8079, 108.2604**.

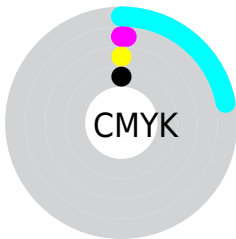
Distribution



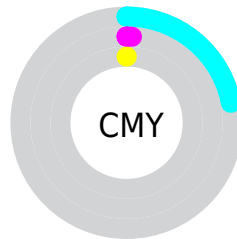
- Red (78%)
- Green (99%)
- Blue (100%)



- Red (78%)
- Yellow (89%)
- Blue (100%)



- Cyan (22%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.6798, 89.1202, 107.7682 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 76.6798, 89.1202, 107.7682 by changing the saturation by 10% instead.

76.6798, 89.1202,
107.7682

76.6798, 89.1202,
107.7682

472.5803,
525.1647, 606.2795

57.2891, 67.2512,
82.1508

127.6626,
146.1157, 173.9369

41.4785, 49.2888,
60.9533

159.9855,
182.0110, 215.3252

28.8824, 34.8486,
43.7572

197.3498,
223.3505, 262.8076

19.1357, 23.5463,
30.1439

240.1209,
270.5185, 316.8026

11.8730, 14.9974,
19.6948

288.6641,
323.8996, 377.7288

6.7288, 8.8176,
11.9915

343.3449,

3.3379, 4.6224,

383.8781, 446.0046

6.6154

404.5285,
450.8383, 522.0487

■ 1.3349, 2.0274,
3.1480

■ 0.2091, 0.6233,
1.1707

■ 76.6798, 89.1202,
107.7682

■ 76.6798, 89.1202,
107.7682

■ 69.9952, 85.0315,
107.3313

■ 84.5080, 93.8079,
108.2604

■ 64.3911, 81.5021,
106.9455

■ 93.5252, 99.1109,
108.8088

■ 59.8085, 78.5041,
106.6083

■ 95.0500, 100.0000,
108.9000

■ 56.1803, 76.0028,
106.3167

■ 53.4313, 73.9594,
106.0672

■ 51.4749, 72.3294,
105.8557

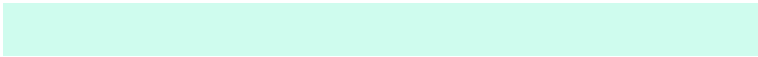
■ 50.2070, 71.0589,
105.6773

■ 49.5390, 70.1980,
105.5463

Harmonies

Analogous

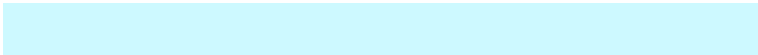
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.0292, 89.1202, 94.1596



76.6798, 89.1202, 107.7682



79.4445, 89.1202, 119.4128

Triad

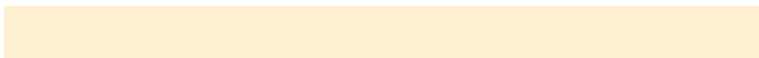
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.6798, 89.1202, 107.7682



92.1959, 89.1202, 113.2568



85.7248, 89.1202, 73.4970

Complementary

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



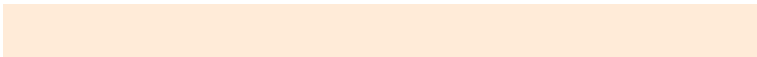
76.6798, 89.1202, 107.7682



73.0210, 68.1410, 63.9491

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.



90.1949, 89.1202, 77.6466



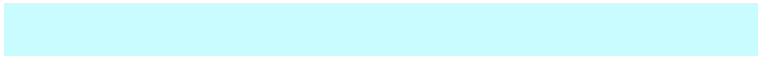
76.6798, 89.1202, 107.7682



94.0193, 89.1202, 99.9719

Square

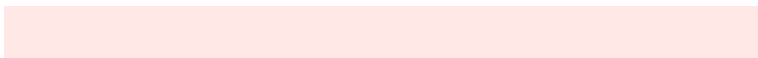
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6798, 89.1202, 107.7682



88.3747, 89.1202, 122.7812



93.2738, 89.1202, 87.0425



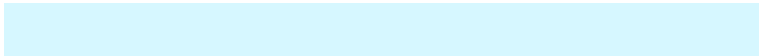
81.1404, 89.1202, 75.1687

Rectangle

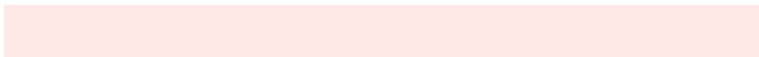
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6798, 89.1202, 107.7682



82.1712, 89.1202, 124.0737



93.2738, 89.1202, 87.0425



87.2926, 89.1202, 74.2438

Sweetspot

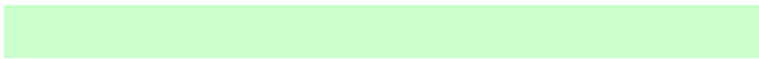
The Sweet Spot groups the original color and five complimentary colors.



76.6821, 89.1237, 107.7688



89.3782, 96.6824, 108.5586



70.3301, 88.0997, 69.6436



19.0042, 20.6197, 23.2283



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

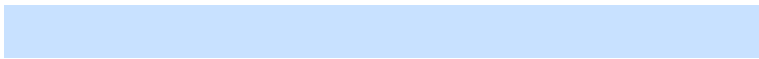
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.6821, 89.1237, 107.7688



73.5809, 87.2385, 107.5683



68.7282, 73.2159, 105.1175



18.4651, 20.3019, 23.1954



25.9219, 36.7534, 55.1625



2.5488, 3.6283, 5.3793

Inverse Universe

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



79.4664, 69.5984, 101.3452



76.8472, 64.5159, 99.9916



80.0324, 82.1638, 66.2862



18.7474, 18.2823, 22.5531



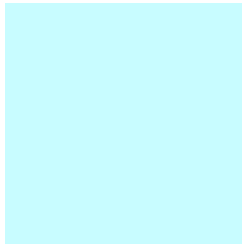
29.8724, 14.4382, 44.8399



2.9211, 1.4108, 4.4320

Previews

White Background



This preview shows how the XYZ color 76.6798, 89.1202, 107.7682 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 76.6798, 89.1202, 107.7682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

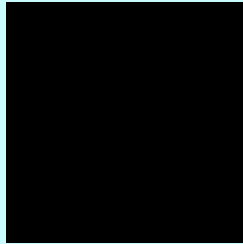
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

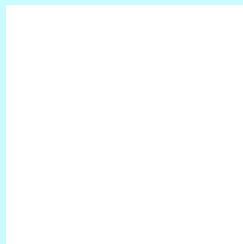
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 76.6798, 89.1202, 107.7682

Background



This preview shows how black text looks on a background with the XYZ color 76.6798, 89.1202, 107.7682.

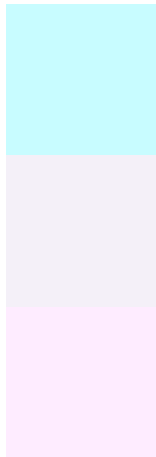


This preview shows how white text looks on a background with the XYZ color 76.6798, 89.1202,

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

76.6798, 89.1202, 107.7682

Protanopia

85.4116, 88.3306, 101.3548

Deuteranopia

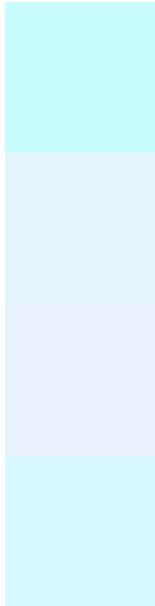
88.9185, 88.2817, 106.9613



Tritanopia

81.7537, 88.5324, 107.3873

Trichromacy



Original Color

76.6798, 89.1202, 107.7682

Protanomaly

81.7582, 88.1604, 103.9743

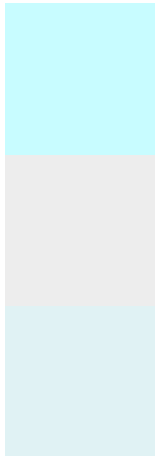
Deuteranomaly

83.7338, 88.2167, 107.2220

Tritanomaly

79.9363, 88.9537, 107.5644

Monochromacy



Original Color

76.6798, 89.1202, 107.7682

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

78.8217, 85.8832, 98.0107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6798, 89.1202, 107.7682 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, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 252, 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, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.6798, 89.1202, 107.7682 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, 252, 255) }
```


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

```
.border{ border-color:rgb(200, 252, 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, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6798, 89.1202, 107.7682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 252, 255) }
```

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

```
.background{ background-color: rgb(200,  
252, 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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