

Converting Colors

XYZ(81.3106, 91.0971,
123.1857)

Have a look what the booklet for
XYZ(81.3106, 91.0971, 123.1857)
contains.

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Color

**XYZ(78.3140, 89.9626,
107.8447)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFCFF
RGB	206, 252, 255
RGB Percent	81%, 99%, 100%
CMY	0.1921, 0.0117, 0.0000
CMYK	0.19, 0.01, 0.00, 0.00
HSL	184°, 100%, 90%
HSV	184°, 19%, 100%
XYZ	78.3140, 89.9626, 107.8447
YIQ	238.5880, -28.3790, -8.8190

Conversions

Conversions Part 2

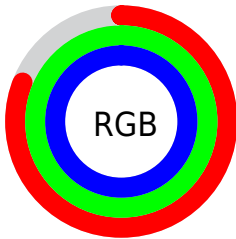
Format	Color
R_{YB}	206, 230, 255
Decimal	13565183
CIE _{Lab}	95.98, -13.93, -6.29
CIE _{LCh}	96, 15.287, 204.301
Yxy	89.9626, 0.2836, 0.3258
Android (android.graphics.Color)	4291755263 (0xFFCEFCFF)
YUV	238.5880, 8.0911, -28.5797
Hunter-Lab	94.8486, -18.6023, -1.0198

Details

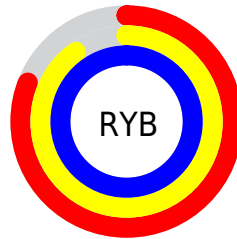
The XYZ color **78.3140, 89.9626, 107.8447** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.1808, 71.3161, 68.1972**, and the grayscale version is **81.6808, 85.9345, 93.5827**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4706, 49.6867, 60.7781** is the 20% darker color. If you saturate the color by 10%, you get **71.3141, 85.6327, 107.3779**, and if you desaturate by 10%, it is **86.4710, 94.8997, 108.3677**.

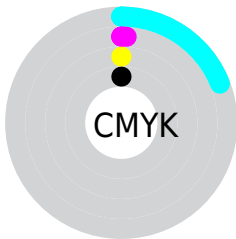
Distribution



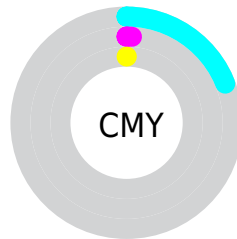
- Red (81%)
- Green (99%)
- Blue (100%)



- Red (81%)
- Yellow (90%)
- Blue (100%)



- Cyan (19%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (19%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.3140, 89.9626, 107.8447 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 78.3140, 89.9626, 107.8447 by changing the saturation by 10% instead.

78.3140, 89.9626,
107.8447

78.3140, 89.9626,
107.8447

478.0561,
527.9092, 606.5215

58.6356, 67.9496,
82.2146

129.9557,
147.2864, 174.0421

42.5651, 49.8568,
61.0056

162.6497,
183.3661, 215.4466

29.7371, 35.2996,
43.7991

200.4130,
224.9034, 262.9462

19.7862, 23.8937,
30.1766

243.6110,
272.2829, 316.9596

12.3471, 15.2548,
19.7195

292.6089,
325.8887, 377.9053

7.0544, 8.9984,
12.0092

347.7721,

3.5428, 4.7402,

386.1055, 446.2018

6.6274

409.4661,
453.3175, 522.2677

■ 1.4469, 2.0956,
3.1553

■ 0.2893, 0.6622,
1.1745

■ 78.3140, 89.9626,
107.8447

■ 78.3140, 89.9626,
107.8447

■ 71.3141, 85.6327,
107.3779

■ 86.4710, 94.8997,
108.3677

■ 65.4091, 81.8708,
106.9630

95.0500, 100.0000,
108.9000

■ 60.5413, 78.6495,
106.5978

■ 56.6452, 75.9351,
106.2792

■ 53.6476, 73.6898,
106.0038

■ 51.4652, 71.8706,
105.7677

■ 49.9986, 70.4264,
105.5662

■ 49.0986, 69.2800,
105.3924

■ 49.0376, 69.1952,
105.3792

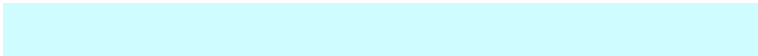
Harmonies

Analogous

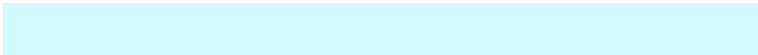
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6747, 89.9626, 95.6617



78.3140, 89.9626, 107.8447



80.8531, 89.9626, 118.0903

Triad

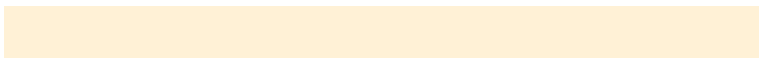
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3140, 89.9626, 107.8447



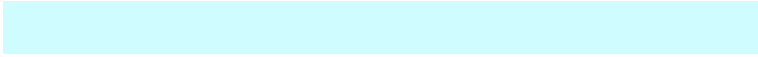
92.2756, 89.9626, 112.1680



86.3160, 89.9626, 76.5778

Complementary

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



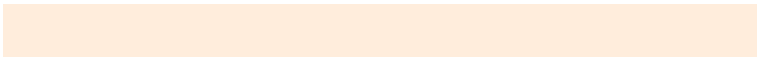
78.3140, 89.9626, 107.8447



75.1808, 71.3161, 68.1972

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.



90.3356, 89.9626, 80.2476



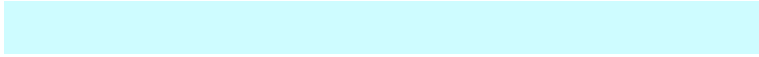
78.3140, 89.9626, 107.8447



93.8483, 89.9626, 100.2826

Square

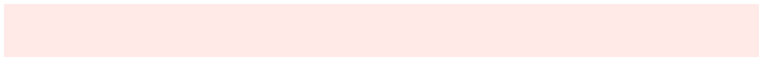
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



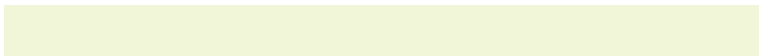
78.3140, 89.9626, 107.8447



88.8939, 89.9626, 120.7268



93.1270, 89.9626, 88.6873



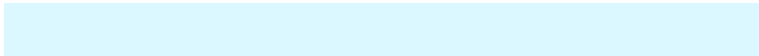
82.2067, 89.9626, 78.2417

Rectangle

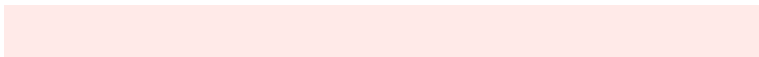
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.3140, 89.9626, 107.8447



83.3273, 89.9626, 122.1042



93.1270, 89.9626, 88.6873



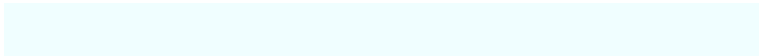
87.7239, 89.9626, 77.2186

Sweetspot

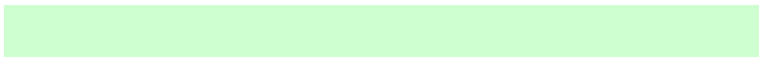
The Sweet Spot groups the original color and five complimentary colors.



78.3163, 89.9662, 107.8452



89.3458, 96.6176, 108.5478



72.6553, 89.2186, 73.3584



18.9965, 20.6043, 23.2258



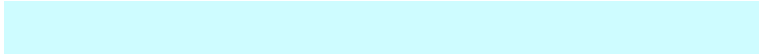
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



78.3163, 89.9662, 107.8452



75.5331, 88.2567, 107.6620



71.2619, 75.8573, 105.4938



18.4542, 20.2800, 23.1917



25.6641, 36.2377, 55.0765



2.5265, 3.5837, 5.3718

Inverse Universe

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



80.8834, 72.4325, 101.8175



78.5371, 67.8892, 100.5748



81.5060, 83.9666, 70.3056



18.7419, 18.2801, 22.5240



29.7422, 14.3862, 44.1545



2.9099, 1.4063, 4.3727

Previews

White Background



This preview shows how the XYZ color 78.3140, 89.9626, 107.8447 looks on a white background.

Color Contrast Check

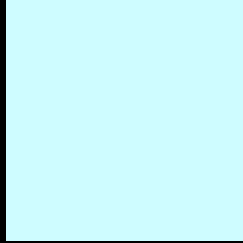
Large Text (above 18pt) WCAG AA × Fail

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 78.3140, 89.9626, 107.8447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

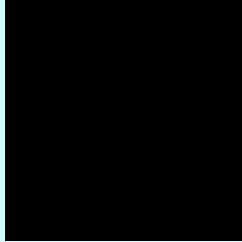
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.3140, 89.9626, 107.8447

Background



This preview shows how black text looks on a background with the XYZ color 78.3140, 89.9626, 107.8447.

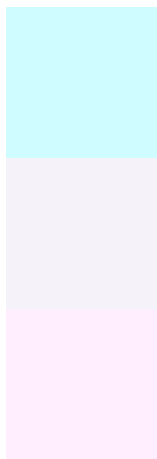


This preview shows how white text looks on a background with the XYZ color 78.3140, 89.9626,

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

78.3140, 89.9626, 107.8447

Protanopia

86.5072, 89.7563, 102.3878

Deuteranopia

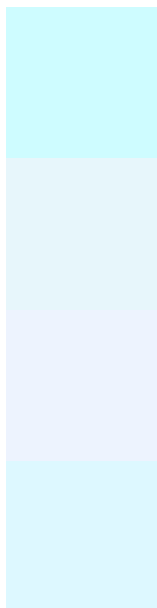
89.7039, 89.5648, 106.3258



Tritanopia

83.3189, 89.7895, 107.5475

Trichromacy



Original Color

78.3140, 89.9626, 107.8447

Protanomaly

83.3234, 89.8655, 104.2210

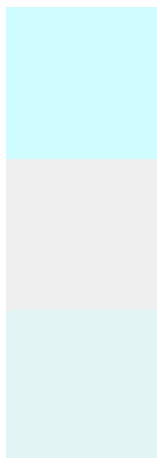
Deuteranomaly

84.8650, 89.2615, 106.5223

Tritanomaly

81.4362, 89.7270, 107.6346

Monochromacy



Original Color

78.3140, 89.9626, 107.8447

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

80.5107, 87.6248, 99.0561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.3140, 89.9626, 107.8447 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(206, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.3140, 89.9626, 107.8447 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(206, 252, 255) }
```


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

```
.border{ border-color:rgb(206, 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(206, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(206, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.3140, 89.9626, 107.8447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 252, 255) }
```

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

```
.background{ background-color: rgb(206,  
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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