

Converting Colors

XYZ(79.8203, 90.4666,
121.1288)

Have a look what the booklet for
XYZ(79.8203, 90.4666, 121.1288)
contains.

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Color

**XYZ(77.2175, 89.3974,
107.7934)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFCFF
RGB	202, 252, 255
RGB Percent	79%, 99%, 100%
CMY	0.2078, 0.0117, 0.0000
CMYK	0.21, 0.01, 0.00, 0.00
HSL	183°, 100%, 90%
HSV	183°, 21%, 100%
XYZ	77.2175, 89.3974, 107.7934
YIQ	237.3920, -30.7630, -9.6670

Conversions

Conversions Part 2

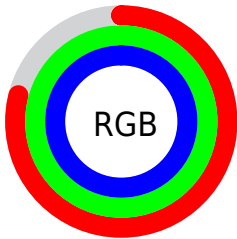
Format	Color
R _{YB}	202, 228, 255
Decimal	13303039
CIE Lab	95.75, -15.12, -6.66
CIE LCh	96, 16.521, 203.791
Yxy	89.3974, 0.2814, 0.3258
Android (android.graphics.Color)	4291493119 (0xFFCAFCFF)
YUV	237.3920, 8.6807, -31.0388
Hunter-Lab	94.5502, -19.6850, -1.4093

Details

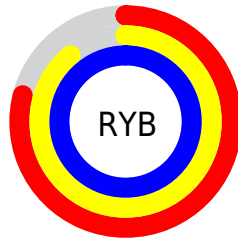
The XYZ color **77.2175, 89.3974, 107.7934** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.7317, 69.1858, 65.3468**, and the grayscale version is **80.7524, 84.9578, 92.5191**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.7408, 49.3105, 60.7440** is the 20% darker color. If you saturate the color by 10%, you get **70.4295, 85.2311, 107.3470**, and if you desaturate by 10%, it is **85.1536, 94.1653, 108.2954**.

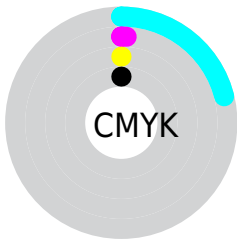
Distribution



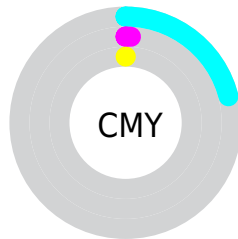
- Red (79%)
- Green (99%)
- Blue (100%)



- Red (79%)
- Yellow (89%)
- Blue (100%)



- Cyan (21%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (21%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2175, 89.3974, 107.7934 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 77.2175, 89.3974, 107.7934 by changing the saturation by 10% instead.

77.2175, 89.3974,
107.7934

77.2175, 89.3974,
107.7934

474.3859,
526.0687, 606.3592

57.7319, 67.4810,
82.1718

128.4177,
146.5011, 173.9715

41.8356, 49.4756,
60.9705

160.8630,
182.4571, 215.3652

29.1631, 34.9969,
43.7710

198.3590,
223.8618, 262.8533

19.3492, 23.6605,
30.1546

241.2709,
271.0995, 316.8543

12.0284, 15.0820,
19.7029

289.9643,
324.5546, 377.7869

6.8353, 8.8769,
11.9974

344.8043,

3.4047, 4.6610,

384.6116, 446.0696

6.6194

406.1564,
451.6548, 522.1208

■ 1.3712, 2.0498,
3.1504

■ 0.2356, 0.6361,
1.1719

■ 77.2175, 89.3974,
107.7934

■ 77.2175, 89.3974,
107.7934

■ 70.4295, 85.2311,
107.3470

■ 85.1536, 94.1653,
108.2954

■ 64.7267, 81.6271,
106.9519

■ 94.2829, 99.5511,
108.8538

■ 60.0508, 78.5574,
106.6058

■ 95.0500, 100.0000,
108.9000

■ 56.3350, 75.9878,
106.3057

■ 53.5049, 73.8798,
106.0480

■ 51.4749, 72.1894,
105.8287

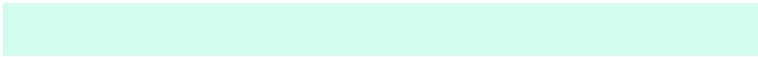
■ 50.1427, 70.8637,
105.6430

■ 49.3841, 69.8881,
105.4947

Harmonies

Analogous

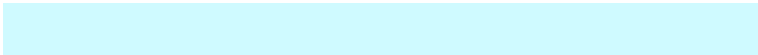
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5704, 89.3974, 94.6552



77.2175, 89.3974, 107.7934



79.9084, 89.3974, 118.9733

Triad

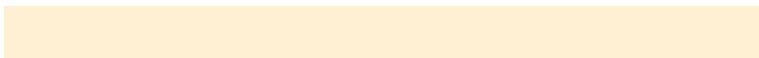
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.2175, 89.3974, 107.7934



92.2214, 89.3974, 112.8930



85.9188, 89.3974, 74.5066

Complementary

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



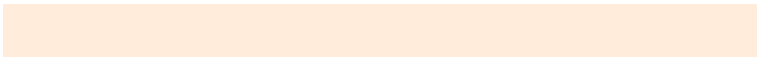
77.2175, 89.3974, 107.7934



73.7317, 69.1858, 65.3468

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.



90.2400, 89.3974, 78.4998



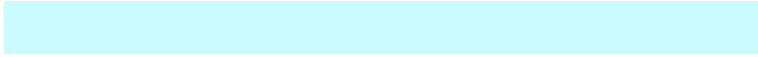
77.2175, 89.3974, 107.7934



93.9615, 89.3974, 100.0722

Square

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



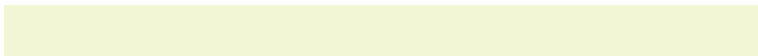
77.2175, 89.3974, 107.7934



88.5457, 89.3974, 122.0963



93.2238, 89.3974, 87.5826



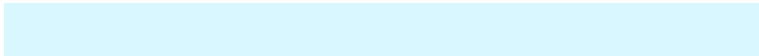
81.4910, 89.3974, 76.1765

Rectangle

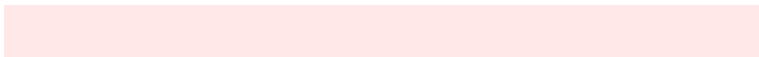
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2175, 89.3974, 107.7934



82.5521, 89.3974, 123.4182



93.2238, 89.3974, 87.5826



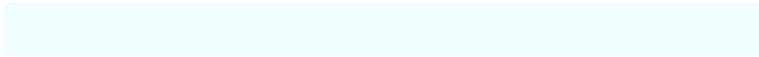
87.4337, 89.3974, 75.2188

Sweetspot

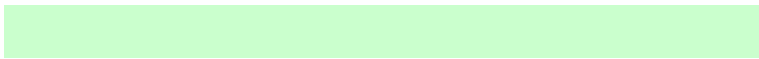
The Sweet Spot groups the original color and five complimentary colors.



77.2198, 89.4009, 107.7939



89.3682, 96.6624, 108.5552



71.0953, 88.4679, 70.8668



19.0018, 20.6149, 23.2275



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.



77.2198, 89.4009, 107.7939



74.2203, 87.5718, 107.5990



69.5638, 74.0888, 105.2419



18.4618, 20.2951, 23.1943



25.8423, 36.5941, 55.1359



2.5419, 3.6145, 5.3770

Inverse Universe

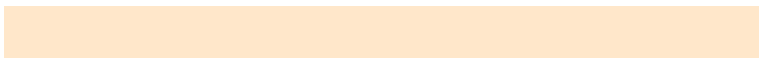
The Inverse Universe completely reimagines the original color for something new.



79.9326, 70.5309, 101.5006



77.4007, 65.6209, 100.1823



80.5192, 82.7609, 67.6093



18.7457, 18.2816, 22.5441



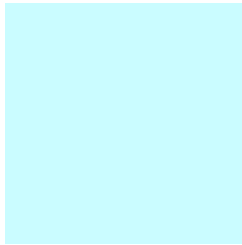
29.8322, 14.4222, 44.6282



2.9176, 1.4094, 4.4137

Previews

White Background



This preview shows how the XYZ color 77.2175, 89.3974, 107.7934 looks on a white background.

Color Contrast Check

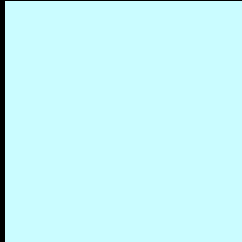
Large Text (above 18pt) WCAG AA × Fail

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 77.2175, 89.3974, 107.7934 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 77.2175, 89.3974, 107.7934

Background



This preview shows how black text looks on a background with the XYZ color 77.2175, 89.3974, 107.7934.

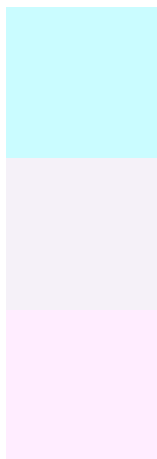


This preview shows how white text looks on a background with the XYZ color 77.2175, 89.3974,

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

77.2175, 89.3974, 107.7934

Protanopia

86.0548, 89.1004, 101.4695

Deuteranopia

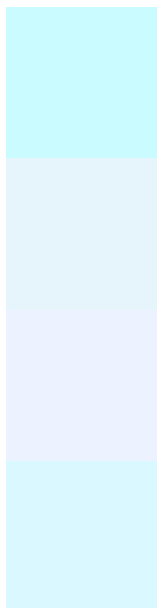
89.5742, 89.0484, 107.0747



Tritanopia

82.3698, 89.3003, 107.5031

Trichromacy



Original Color

77.2175, 89.3974, 107.7934

Protanomaly

82.3781, 88.9279, 104.0898

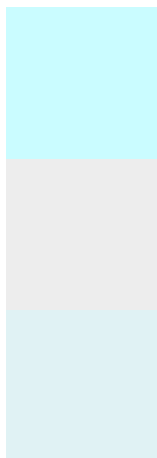
Deuteranomaly

84.3942, 88.5571, 107.2529

Tritanomaly

80.2327, 89.1065, 107.5783

Monochromacy



Original Color

77.2175, 89.3974, 107.7934

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 77.2175, 89.3974, 107.7934 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, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 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(202, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.2175, 89.3974, 107.7934 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, 252, 255) }
```


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

```
.border{ border-color:rgb(202, 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(202, 252, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2175, 89.3974, 107.7934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 252, 255) }
```

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

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