

Converting Colors

XYZ(79.9457, 90.8544,
121.5838)

Have a look what the booklet for
XYZ(79.9457, 90.8544, 121.5838)
contains.

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Color

**XYZ(77.5324, 90.0271,
107.8983)**

Conversions

Conversions Part 1

Format	Color
Hex	CAFDFE
RGB	202, 253, 255
RGB Percent	79%, 99%, 100%
CMY	0.2078, 0.0078, 0.0000
CMYK	0.21, 0.01, 0.00, 0.00
HSL	182°, 100%, 90%
HSV	182°, 21%, 100%
XYZ	77.5324, 90.0271, 107.8983
YIQ	237.9790, -31.0380, -10.1900

Conversions

Conversions Part 2

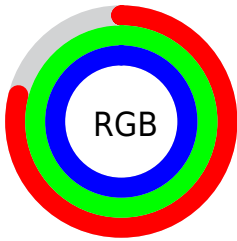
Format	Color
R _Y B	202, 228, 255
Decimal	13303295
CIE Lab	96.01, -15.61, -6.28
CIE LCh	96, 16.827, 201.906
Yxy	90.0271, 0.2815, 0.3268
Android (android.graphics.Color)	4291493375 (0xFFCAFDF5)
YUV	237.9790, 8.3914, -31.5536
Hunter-Lab	94.8826, -20.1850, -1.0054

Details

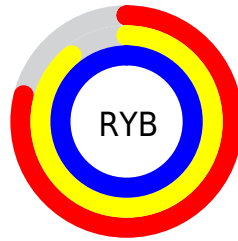
The XYZ color **77.5324, 90.0271, 107.8983** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.4934, 68.7091, 65.2675**, and the grayscale version is **81.2081, 85.4372, 93.0411**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9656, 49.7601, 60.8189** is the 20% darker color. If you saturate the color by 10%, you get **70.8930, 86.1580, 107.5014**, and if you desaturate by 10%, it is **85.3181, 94.4941, 108.3502**.

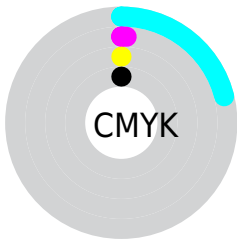
Distribution



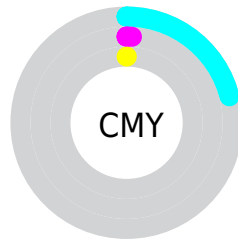
- Red (79%)
- Green (99%)
- Blue (100%)



- 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 77.5324, 90.0271, 107.8983 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 77.5324, 90.0271, 107.8983 by changing the saturation by 10% instead.

77.5324, 90.0271,
107.8983

77.5324, 90.0271,
107.8983

475.4415,
528.1190, 606.6910

57.9914, 68.0031,
82.2594

128.8596,
147.3760, 174.1159

42.0450, 49.9003,
61.0423

161.3765,
183.4698, 215.5316

29.3278, 35.3342,
43.8285

198.9494,
225.0222, 263.0433

19.4744, 23.9204,
30.1995

241.9437,
272.4178, 317.0696

12.1196, 15.2746,
19.7367

290.7247,
326.0409, 378.0289

6.8980, 9.0123,
12.0217

345.6577,

3.4441, 4.7492,

386.2758, 446.3399

6.6357

407.1082,
453.5071, 522.4211

■ 1.3928, 2.1009,
3.1604

■ 0.2511, 0.6651,
1.1771

■ 77.5324, 90.0271,
107.8983

■ 77.5324, 90.0271,
107.8983

■ 70.8930, 86.1580,
107.5014

■ 85.3181, 94.4941,
108.3502

■ 65.3368, 82.8472,
107.1552

■ 94.2951, 99.5752,
108.8578

■ 60.8056, 80.0670,
106.8574

■ 95.0500, 100.0000,
108.9000

■ 57.2327, 77.7831,
106.6049

■ 54.5435, 75.9571,
106.3942

■ 52.6527, 74.5449,
106.2213

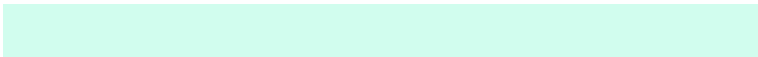
■ 51.4577, 73.4936,
106.0813

■ 50.8238, 72.7677,
105.9746

Harmonies

Analogous

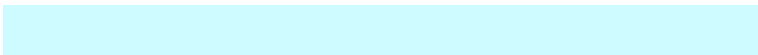
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.0121, 90.0271, 94.4604



77.5324, 90.0271, 107.8983



80.1659, 90.0271, 119.6049

Triad

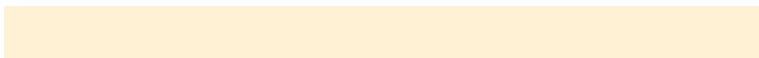
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.5324, 90.0271, 107.8983



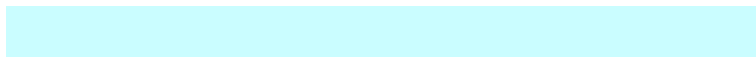
92.8044, 90.0271, 114.6982



86.8340, 90.0271, 74.7809

Complementary

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



77.5324, 90.0271, 107.8983



73.4934, 68.7091, 65.2675

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.



91.2076, 90.0271, 79.2093



77.5324, 90.0271, 107.8983



94.7353, 90.0271, 101.6765

Square

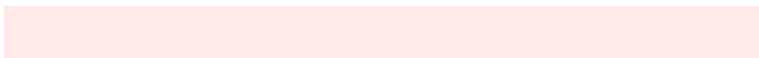
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5324, 90.0271, 107.8983



88.9497, 90.0271, 123.7720



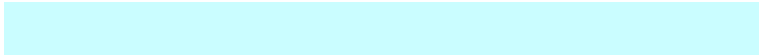
94.1406, 90.0271, 88.7717



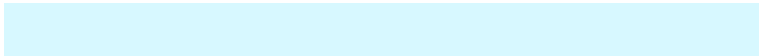
82.2732, 90.0271, 76.1204

Rectangle

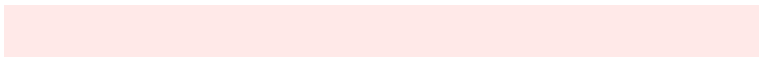
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.5324, 90.0271, 107.8983



82.8192, 90.0271, 124.4543



94.1406, 90.0271, 88.7717



88.3771, 90.0271, 75.6289

Sweetspot

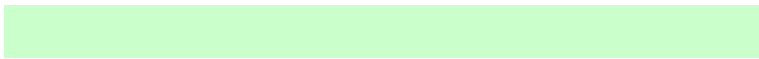
The Sweet Spot groups the original color and five complimentary colors.



77.5347, 90.0307, 107.8989



89.4599, 96.8459, 108.5858



70.9893, 88.4255, 70.3081



19.0236, 20.6585, 23.2348



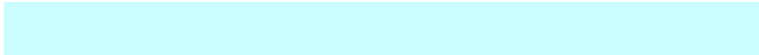
0.0000, 0.0000, 0.0000



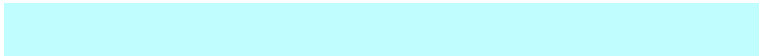
20.3446, 21.4041, 23.3091

Same Dimension

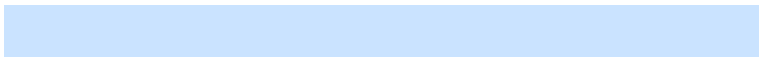
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5347, 90.0307, 107.8989



74.5980, 88.3272, 107.7249



69.8045, 74.5702, 105.3221



18.4928, 20.3572, 23.2046



26.5825, 38.0746, 55.3827



2.6058, 3.7423, 5.3983

Inverse Universe

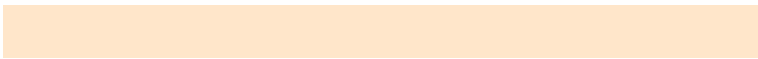
The Inverse Universe completely reimagines the original color for something new.



80.0916, 70.5946, 102.3375



77.5914, 65.6971, 101.1863



80.2725, 82.2673, 67.5272



18.7614, 18.2879, 22.6266



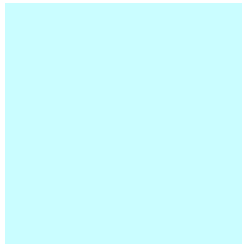
30.2058, 14.5716, 46.5958



2.9499, 1.4223, 4.5836

Previews

White Background



This preview shows how the XYZ color 77.5324, 90.0271, 107.8983 looks on a white background.

Color Contrast Check

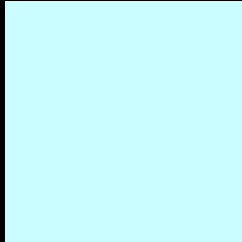
Large Text (above 18pt) WCAG AA × Fail

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 77.5324, 90.0271, 107.8983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

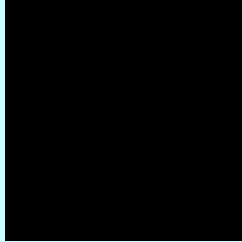
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.5324, 90.0271, 107.8983

Background



This preview shows how black text looks on a background with the XYZ color 77.5324, 90.0271, 107.8983.

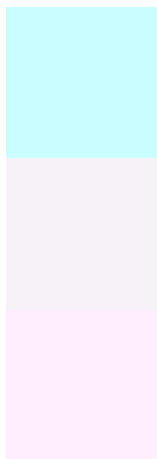


This preview shows how white text looks on a background with the XYZ color 77.5324, 90.0271,

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

77.5324, 90.0271, 107.8983

Protanopia

86.7014, 89.8744, 101.5848

Deuteranopia

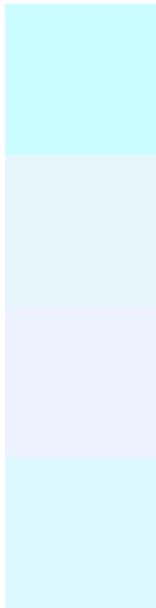
89.7039, 89.5648, 106.3258



Tritanopia

83.0007, 89.6255, 107.5326

Trichromacy



Original Color

77.5324, 90.0271, 107.8983

Protanomaly

83.0015, 89.6996, 104.2059

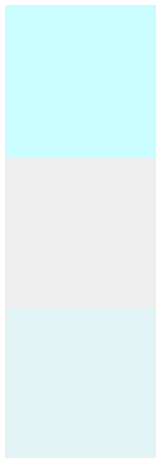
Deuteranomaly

84.5321, 89.0898, 106.5067

Tritanomaly

81.1391, 90.0314, 107.7091

Monochromacy



Original Color

77.5324, 90.0271, 107.8983

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

79.4311, 86.6404, 98.1248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5324, 90.0271, 107.8983 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, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 253, 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, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.5324, 90.0271, 107.8983 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, 253, 255) }
```


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

```
.border{ border-color:rgb(202, 253, 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, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5324, 90.0271, 107.8983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 253, 255) }
```

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

```
.background{ background-color: rgb(202,  
253, 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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