

Converting Colors

XYZ(81.9723, 91.2229,
123.9288)

Have a look what the booklet for
XYZ(81.9723, 91.2229, 123.9288)
contains.

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Color

**XYZ(78.8417, 89.7697,
107.7796)**

Conversions

Conversions Part 1

Format	Color
Hex	D1FBFF
RGB	209, 251, 255
RGB Percent	82%, 98%, 100%
CMY	0.1804, 0.0157, 0.0000
CMYK	0.18, 0.02, 0.00, 0.00
HSL	185°, 100%, 91%
HSV	185°, 18%, 100%
XYZ	78.8417, 89.7697, 107.7796
YIQ	238.8980, -26.3160, -7.6600

Conversions

Conversions Part 2

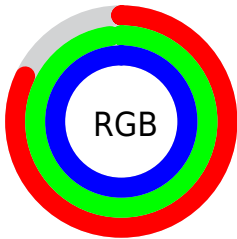
Format	Color
R _Y B	209, 231, 255
Decimal	13761535
CIE Lab	95.90, -12.54, -6.39
CIE LCh	96, 14.071, 207.005
Yxy	89.7697, 0.2853, 0.3248
Android (android.graphics.Color)	4291951615 (0xFFD1FBFF)
YUV	238.8980, 7.9383, -26.2205
Hunter-Lab	94.7469, -17.2719, -1.1227

Details

The XYZ color **78.8417, 89.7697, 107.7796** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.5426, 73.4508, 70.4665**, and the grayscale version is **81.9216, 86.1879, 93.8587**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8113, 49.5308, 60.7301** is the 20% darker color. If you saturate the color by 10%, you get **71.5092, 84.9710, 107.2398**, and if you desaturate by 10%, it is **87.3417, 95.1871, 108.3773**.

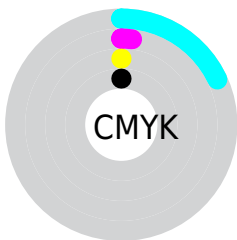
Distribution



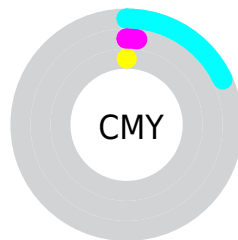
- Red (82%)
- Green (98%)
- Blue (100%)



- Red (82%)
- Yellow (91%)
- Blue (100%)



- Cyan (18%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.8417, 89.7697, 107.7796 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 78.8417, 89.7697, 107.7796 by changing the saturation by 10% instead.

78.8417, 89.7697,
107.7796

78.8417, 89.7697,
107.7796

479.8169,
527.2814, 606.3156

59.0708, 67.7896,
82.1603

130.6951,
147.0185, 173.9525

42.9167, 49.7266,
60.9611

163.5083,
183.0560, 215.3433

30.0140, 35.1962,
43.7634

201.3997,
224.5480, 262.8283

19.9974, 23.8141,
30.1487

244.7347,
271.8791, 316.8260

12.5014, 15.1958,
19.6985

293.8785,
325.4336, 377.7551

7.1607, 8.9569,
11.9942

349.1966,

3.6100, 4.7131,

385.5959, 446.0340

6.6172

411.0542,
452.7504, 522.0813

■ 1.4840, 2.0799,
3.1491

■ 0.3149, 0.6533,
1.1713

■ 78.8417, 89.7697,
107.7796

■ 78.8417, 89.7697,
107.7796

■ 71.5092, 84.9710,
107.2398

■ 87.3417, 95.1871,
108.3773

■ 65.2823, 80.7518,
106.7537

95.0500, 100.0000,
108.9000

■ 60.1040, 77.0851,
106.3188

■ 55.9095, 73.9375,
105.9324

■ 52.6266, 71.2717,
105.5908

■ 50.1733, 69.0454,
105.2904

■ 48.4526, 67.2085,
105.0266

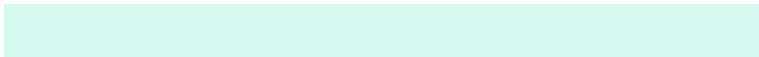
■ 47.3331, 65.6932,
104.7931

■ 47.1474, 65.4149,
104.7491

Harmonies

Analogous

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



78.0814, 89.7697, 96.6307



78.8417, 89.7697, 107.7796



81.3212, 89.7697, 116.8001

Triad

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



78.8417, 89.7697, 107.7796



91.7408, 89.7697, 109.8587



85.7142, 89.7697, 77.9050

Complementary

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



78.8417, 89.7697, 107.7796



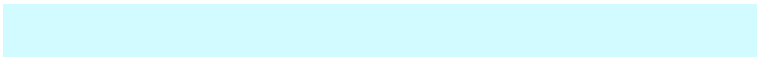
76.5426, 73.4508, 70.4665

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.



89.4548, 89.7697, 80.8821



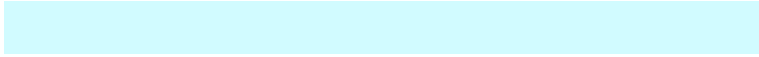
78.8417, 89.7697, 107.7796



92.9999, 89.7697, 98.8657

Square

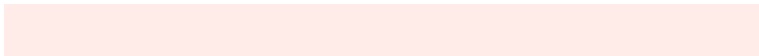
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.8417, 89.7697, 107.7796



88.7592, 89.7697, 118.0630



92.1510, 89.7697, 88.3514



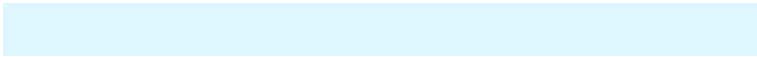
81.9775, 89.7697, 79.9012

Rectangle

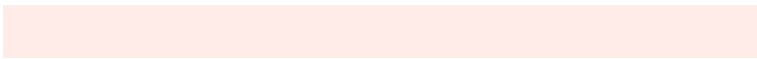
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



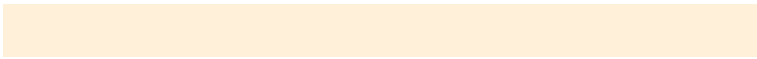
78.8417, 89.7697, 107.7796



83.6552, 89.7697, 120.0979



92.1510, 89.7697, 88.3514



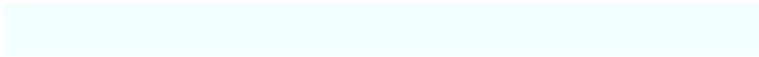
87.0136, 89.7697, 78.3516

Sweetspot

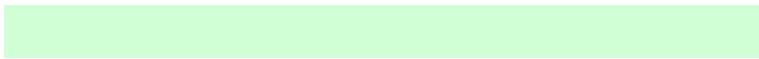
The Sweet Spot groups the original color and five complimentary colors.



78.8440, 89.7733, 107.7802



90.1616, 96.9570, 108.5703



74.0447, 89.8715, 76.2859



19.1565, 20.6640, 23.2289



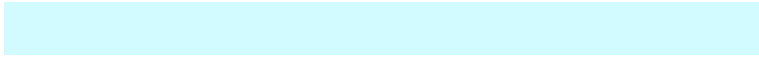
0.0000, 0.0000, 0.0000



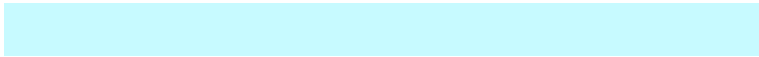
20.3446, 21.4041, 23.3091

Same Dimension

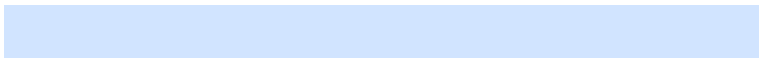
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8440, 89.7733, 107.7802



75.8020, 87.7991, 107.5595



72.1350, 76.3551, 105.5438



18.4120, 20.1956, 23.1777



24.6915, 34.2926, 54.7523



2.4421, 3.4150, 5.3437

Inverse Universe

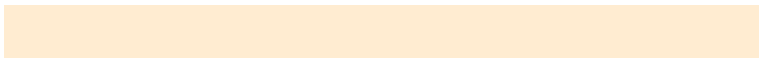
The Inverse Universe completely reimagines the original color for something new.



81.4545, 73.8276, 101.2281



78.9158, 68.9710, 99.7010



82.6968, 85.7592, 72.5179



18.7206, 18.2716, 22.4119



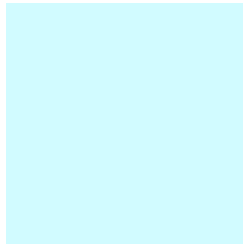
29.2513, 14.1898, 41.5695



2.8673, 1.3893, 4.1485

Previews

White Background



This preview shows how the XYZ color 78.8417, 89.7697, 107.7796 looks on a white background.

Color Contrast Check

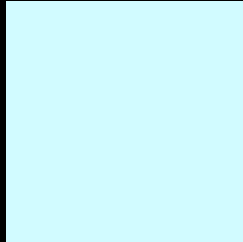
Large Text (above 18pt) WCAG AA × Fail

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 78.8417, 89.7697, 107.7796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

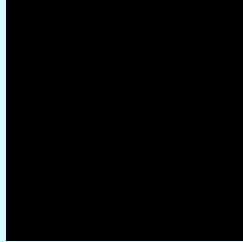
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.8417, 89.7697, 107.7796

Background



This preview shows how black text looks on a background with the XYZ color 78.8417, 89.7697, 107.7796.



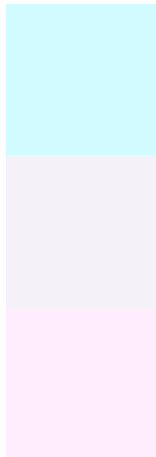
This preview shows how white text looks on a background with the XYZ color 78.8417, 89.7697,

107.7796.

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

78.8417, 89.7697, 107.7796

Protanopia

86.2104, 89.1626, 102.2889

Deuteranopia

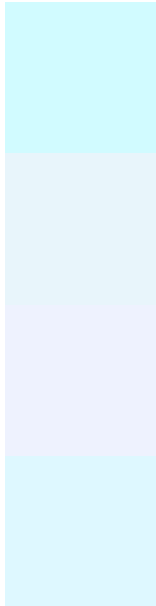
89.4136, 88.9841, 106.2290



Tritanopia

83.3189, 89.7895, 107.5475

Trichromacy



Original Color

78.8417, 89.7697, 107.7796

Protanomaly

83.3437, 89.4257, 104.1350

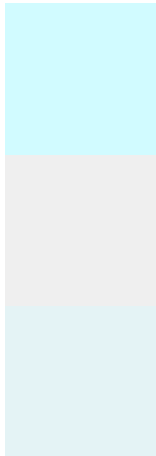
Deuteranomaly

84.9014, 88.8372, 106.4384

Tritanomaly

81.7416, 89.8844, 107.6489

Monochromacy



Original Color

78.8417, 89.7697, 107.7796

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

80.5269, 87.1877, 98.9709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.8417, 89.7697, 107.7796 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(209, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 251, 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(209, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 251, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.8417, 89.7697, 107.7796 is called "border". The border property can be set on classes, ids or directly on the HTML element.

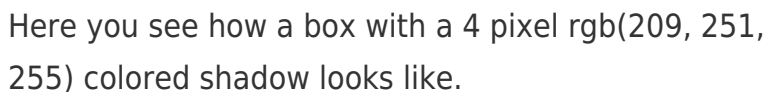
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(209, 251, 255) }
```


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

```
.border{ border-color:rgb(209, 251, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(209, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 251,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.8417, 89.7697, 107.7796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 251, 255) }
```

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

```
.background{ background-color: rgb(209,  
251, 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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