

Converting Colors

XYZ(77.9017, 89.5685,
108.3472)

Have a look what the booklet for
XYZ(77.9017, 89.5685, 108.3472)
contains.

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Color

**XYZ(78.0372, 89.8199,
107.8317)**

Conversions

Conversions Part 1

Format	Color
Hex	CDFCFF
RGB	205, 252, 255
RGB Percent	80%, 99%, 100%
CMY	0.1961, 0.0117, 0.0000
CMYK	0.20, 0.01, 0.00, 0.00
HSL	184°, 100%, 90%
HSV	184°, 20%, 100%
XYZ	78.0372, 89.8199, 107.8317
YIQ	238.2890, -28.9750, -9.0310

Conversions

Conversions Part 2

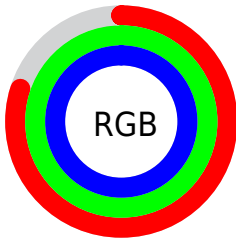
Format	Color
R _Y B	205, 229, 255
Decimal	13499647
CIE Lab	95.92, -14.23, -6.39
CIE LCh	96, 15.597, 204.167
Yxy	89.8199, 0.2831, 0.3258
Android (android.graphics.Color)	4291689727 (0xFFCDFCFF)
YUV	238.2890, 8.2385, -29.1945
Hunter-Lab	94.7734, -18.8749, -1.1179

Details

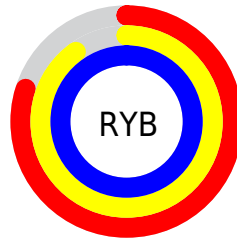
The XYZ color **78.0372, 89.8199, 107.8317** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.8151, 70.7785, 67.4777**, and the grayscale version is **81.4481, 85.6897, 93.3161**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2858, 49.5915, 60.7695** is the 20% darker color. If you saturate the color by 10%, you get **71.0910, 85.5321, 107.3702**, and if you desaturate by 10%, it is **86.1383, 94.7136, 108.3493**.

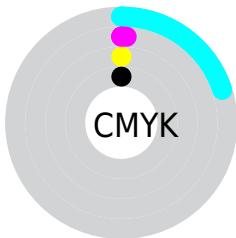
Distribution



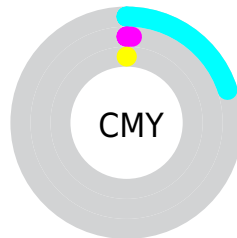
- Red (80%)
- Green (99%)
- Blue (100%)



- Red (80%)
- Yellow (90%)
- Blue (100%)



- Cyan (20%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.0372, 89.8199, 107.8317 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 78.0372, 89.8199, 107.8317 by changing the saturation by 10% instead.

78.0372, 89.8199,
107.8317

78.0372, 89.8199,
107.8317

477.1310,
527.4448, 606.4803

58.4074, 67.8313,
82.2038

129.5676,
147.0882, 174.0242

42.3808, 49.7605,
60.9967

162.1990,
183.1367, 215.4259

29.5920, 35.2231,
43.7920

199.8950,
224.6405, 262.9226

19.6756, 23.8348,
30.1710

243.0209,
271.9842, 316.9329

12.2664, 15.2111,
19.7153

291.9421,
325.5521, 377.8753

6.9989, 8.9677,
12.0062

347.0240,

3.5077, 4.7201,

385.7286, 446.1683

6.6253

408.6318,
452.8980, 522.2305

■ 1.4276, 2.0840,
3.1540

■ 0.2758, 0.6556,
1.1738

■ 78.0372, 89.8199,
107.8317

■ 78.0372, 89.8199,
107.8317

■ 71.0910, 85.5321,
107.3702

■ 86.1383, 94.7136,
108.3493

■ 65.2372, 81.8107,
106.9604

95.0500, 100.0000,
108.9000

■ 60.4180, 78.6285,
106.6002

■ 56.5676, 75.9514,
106.2864

■ 53.6126, 73.7415,
106.0156

■ 51.4690, 71.9555,
105.7838

■ 50.0368, 70.5420,
105.5865

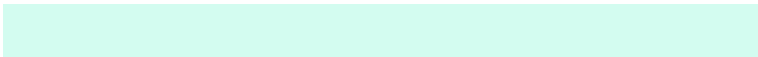
■ 49.1593, 69.4201,
105.4162

■ 49.1291, 69.3783,
105.4097

Harmonies

Analogous

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



77.3958, 89.8199, 95.4081



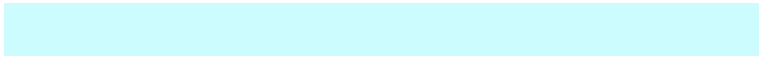
78.0372, 89.8199, 107.8317



80.6148, 89.8199, 118.3114

Triad

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



78.0372, 89.8199, 107.8317



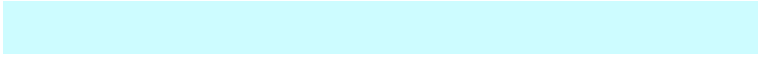
92.2616, 89.8199, 112.3488



86.2155, 89.8199, 76.0534

Complementary

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



78.0372, 89.8199, 107.8317



74.8151, 70.7785, 67.4777

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.



90.3110, 89.8199, 79.8054



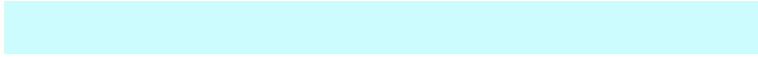
78.0372, 89.8199, 107.8317



93.8763, 89.8199, 100.2287

Square

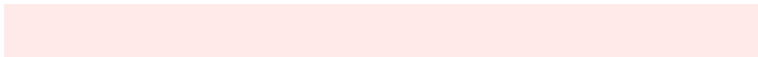
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.0372, 89.8199, 107.8317



88.8060, 89.8199, 121.0690



93.1507, 89.8199, 88.4080



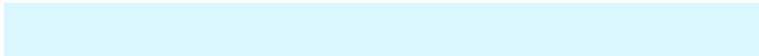
82.0259, 89.8199, 77.7191

Rectangle

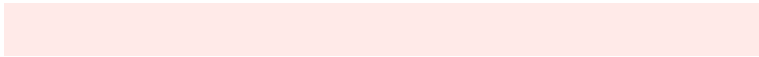
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.0372, 89.8199, 107.8317



83.1318, 89.8199, 122.4329



93.1507, 89.8199, 88.4080



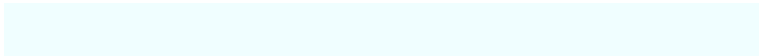
87.6503, 89.8199, 76.7123

Sweetspot

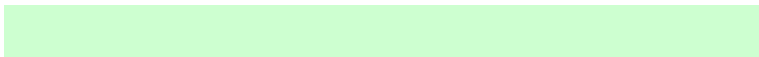
The Sweet Spot groups the original color and five complimentary colors.



78.0395, 89.8235, 107.8323



89.3517, 96.6294, 108.5497



72.2616, 89.0291, 72.7298



18.9979, 20.6071, 23.2262



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

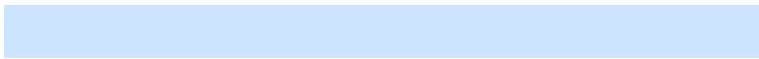
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0395, 89.8235, 107.8323



74.8484, 87.8661, 107.6227



70.8340, 75.4124, 105.4304



18.4562, 20.2840, 23.1924



25.7111, 36.3319, 55.0922



2.5306, 3.5918, 5.3732

Inverse Universe

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



80.6434, 71.9525, 101.7375



77.9526, 66.7407, 100.3167



81.2577, 83.6637, 69.6252



18.7429, 18.2805, 22.5293



29.7660, 14.3957, 44.2797



2.9119, 1.4071, 4.3836

Previews

White Background



This preview shows how the XYZ color 78.0372, 89.8199, 107.8317 looks on a white background.

Color Contrast Check

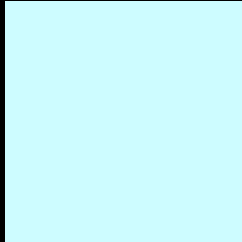
Large Text (above 18pt) WCAG AA × Fail

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 78.0372, 89.8199, 107.8317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

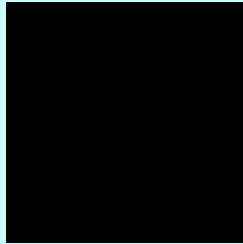
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.0372, 89.8199, 107.8317

Background



This preview shows how black text looks on a background with the XYZ color 78.0372, 89.8199, 107.8317.

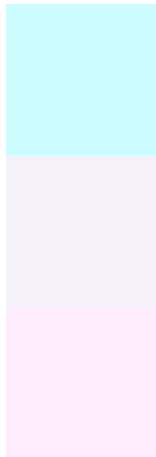


This preview shows how white text looks on a background with the XYZ color 78.0372, 89.8199,

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

78.0372, 89.8199, 107.8317

Protanopia

86.2104, 89.1626, 102.2889

Deuteranopia

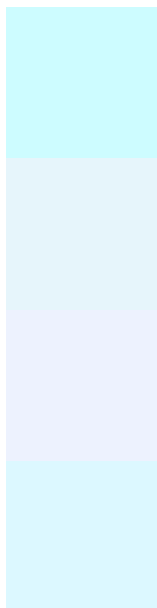
89.4136, 88.9841, 106.2290



Tritanopia

83.0007, 89.6255, 107.5326

Trichromacy



Original Color

78.0372, 89.8199, 107.8317

Protanomaly

82.6981, 89.0928, 104.1048

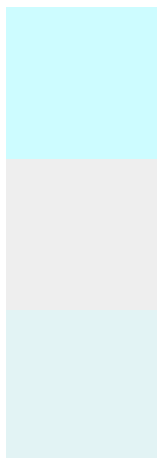
Deuteranomaly

84.5666, 88.6645, 106.4228

Tritanomaly

81.1326, 89.5704, 107.6204

Monochromacy



Original Color

78.0372, 89.8199, 107.8317

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

79.7438, 86.8016, 98.1394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.0372, 89.8199, 107.8317 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(205, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 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(205, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.0372, 89.8199, 107.8317 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(205, 252, 255) }
```


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

```
.border{ border-color:rgb(205, 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(205, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.0372, 89.8199, 107.8317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 252, 255) }
```

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

```
.background{ background-color: rgb(205,  
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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