

Converting Colors

XYZ(78.9357, 89.0221,
102.3945)

Have a look what the booklet for
XYZ(78.9357, 89.0221, 102.3945)
contains.

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Color

**XYZ(78.9989, 89.0380,
102.6449)**

Conversions

Conversions Part 1

Format	Color
Hex	D7F9F9
RGB	215, 249, 249
RGB Percent	84%, 98%, 98%
CMY	0.1569, 0.0235, 0.0235
CMYK	0.14, 0.00, 0.00, 0.02
HSL	180°, 74%, 91%
HSV	180°, 14%, 98%
XYZ	78.9989, 89.0380, 102.6449
YIQ	238.8340, -20.2640, -7.2080

Conversions

Conversions Part 2

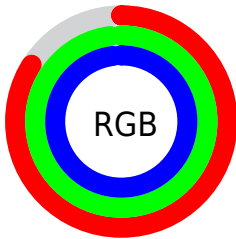
Format	Color
R _Y B	215, 232, 249
Decimal	14154233
CIE Lab	95.60, -10.91, -3.70
CIE LCh	96, 11.520, 198.722
Yxy	89.0380, 0.2919, 0.3289
Android (android.graphics.Color)	4292344313 (0xFFD7F9F9)
YUV	238.8340, 5.0118, -20.9024
Hunter-Lab	94.3599, -15.6883, 1.5562

Details

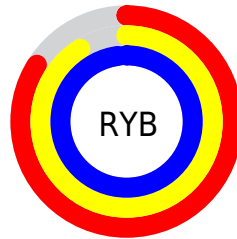
The XYZ color **78.9989, 89.0380, 102.6449** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.6363, 73.6493, 74.5232**, and the grayscale version is **81.8906, 86.1553, 93.8232**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.1928, 49.4638, 57.7230** is the 20% darker color. If you saturate the color by 10%, you get **72.2367, 85.5544, 102.3282**, and if you desaturate by 10%, it is **86.8791, 93.1027, 103.0177**.

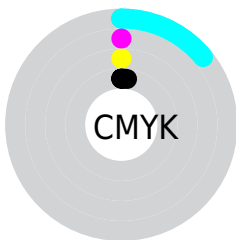
Distribution



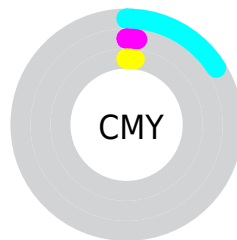
- Red (84%)
- Green (98%)
- Blue (98%)



- Red (84%)
- Yellow (91%)
- Blue (98%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



- Cyan (16%)
- Magenta (2%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.9989, 89.0380, 102.6449 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 78.9989, 89.0380, 102.6449 by changing the saturation by 10% instead.

78.9989, 89.0380,
102.6449

78.9989, 89.0380,
102.6449

480.3407,
524.8965, 589.9585

59.2005, 67.1830,
77.8821

130.9152,
146.0014, 166.8706

43.0216, 49.2334,
57.4612

163.7639,
181.8787, 207.1706

30.0966, 34.8047,
40.9638

201.6934,
223.1988, 253.4868

20.0604, 23.5124,
27.9713

245.0691,
270.3462, 306.2376

12.5475, 14.9723,
18.0652

294.2563,
323.7053, 365.8417

7.1925, 8.8000,
10.8269

349.6204,

3.6302, 4.6109,

383.6604, 432.7175

5.8378

411.5268,
450.5960, 507.2836

■ 1.4951, 2.0209,
2.6795

■ 0.3225, 0.6195,
0.9331

■ 78.9989, 89.0380,
102.6449

■ 78.9989, 89.0380,
102.6449

■ 72.2367, 85.5544,
102.3282

■ 86.8791, 93.1027,
103.0177

■ 66.5346, 82.6149,
102.0592

■ 92.2173, 95.8546,
103.2696

■ 61.8412, 80.1954,
101.8375

■ 92.2177, 95.8548,
103.2717

■ 58.0978, 78.2657,
101.6602

■ 92.2181, 95.8549,
103.2739

■ 55.2397, 76.7923,
101.5243

■ 92.2185, 95.8551,
103.2760

■ 53.1939, 75.7377,
101.4264

■ 92.2189, 95.8553,
103.2781

■ 51.8761, 75.0584,
101.3627

■ 92.2193, 95.8554,
103.2803

■ 51.1835, 74.7014,
101.3281

■ 92.2197, 95.8556,
103.2824

■ 50.9730, 74.5929,
101.3169

■ 92.2201, 95.8557,
103.2845

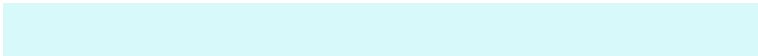
Harmonies

Analogous

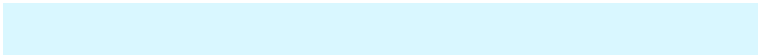
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8039, 89.0380, 93.5814



78.9989, 89.0380, 102.6449



80.6797, 89.0380, 110.6318

Triad

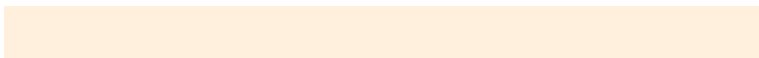
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.9989, 89.0380, 102.6449



89.2803, 89.0380, 108.8951



85.8226, 89.0380, 80.8527

Complementary

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



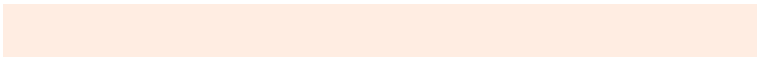
78.9989, 89.0380, 102.6449



75.6363, 73.6493, 74.5232

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.



88.7030, 89.0380, 84.4404



78.9989, 89.0380, 102.6449



90.7321, 89.0380, 100.3928

Square

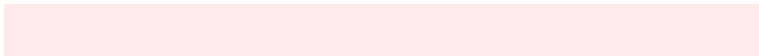
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.9989, 89.0380, 102.6449



86.5947, 89.0380, 114.3926



90.5182, 89.0380, 91.4644



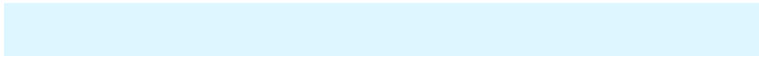
82.6912, 89.0380, 81.3724

Rectangle

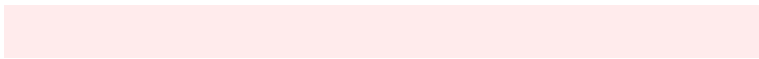
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



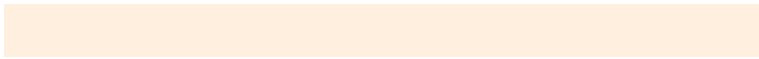
78.9989, 89.0380, 102.6449



82.4406, 89.0380, 114.0962



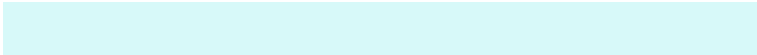
90.5182, 89.0380, 91.4644



86.8537, 89.0380, 81.6089

Sweetspot

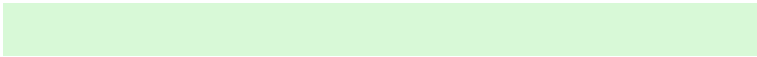
The Sweet Spot groups the original color and five complimentary colors.



79.0015, 89.0417, 102.6469



91.3963, 98.1165, 108.7281



74.3351, 87.1944, 77.2038



19.4202, 20.9276, 23.2656



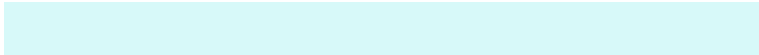
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



79.0015, 89.0417, 102.6469



81.5993, 93.0660, 108.2669



74.1422, 79.3222, 101.0299



17.7658, 19.6086, 22.2333



27.2838, 39.9265, 54.2310



2.5270, 3.6979, 5.0229

Inverse Universe

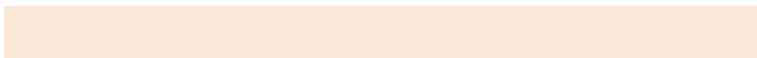
The Inverse Universe completely reimagines the original color for something new.



75.6363, 73.6493, 74.5232



77.5009, 74.3199, 74.0156



80.0332, 82.4439, 75.9866



17.2448, 17.2253, 17.8787



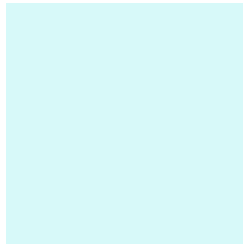
20.9120, 10.7805, 0.9792



1.9368, 0.9985, 0.0908

Previews

White Background



This preview shows how the XYZ color 78.9989, 89.0380, 102.6449 looks on a white background.

Color Contrast Check

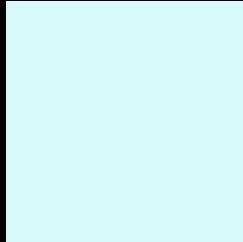
Large Text (above 18pt) WCAG AA × Fail

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 78.9989, 89.0380, 102.6449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

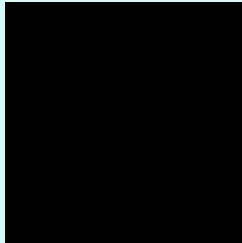
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

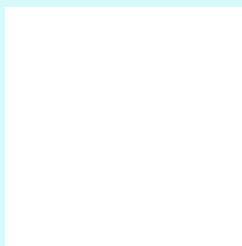
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.9989, 89.0380, 102.6449

Background



This preview shows how black text looks on a background with the XYZ color 78.9989, 89.0380, 102.6449.

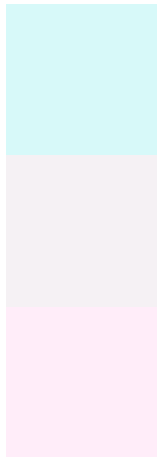


This preview shows how white text looks on a background with the XYZ color 78.9989, 89.0380,

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

78.9989, 89.0380, 102.6449

Protanopia

85.4406, 88.8547, 98.2354

Deuteranopia

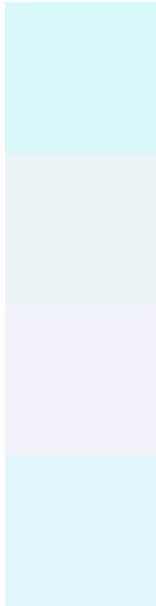
88.6231, 88.6679, 102.0662



Tritanopia

83.0338, 88.7444, 107.3608

Trichromacy



Original Color

78.9989, 89.0380, 102.6449

Protanomaly

82.9169, 88.8476, 99.9679

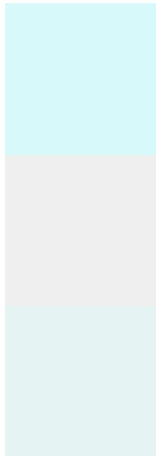
Deuteranomaly

84.4894, 88.2754, 102.2083

Tritanomaly

81.7367, 89.0109, 105.8013

Monochromacy



Original Color

78.9989, 89.0380, 102.6449

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

80.8614, 87.3952, 97.4011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.9989, 89.0380, 102.6449 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(215, 249, 249)` looks like.

```
.text, #text, p{  
    color:rgb(215, 249, 249)  
}
```

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(215, 249, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 249, 249) }
```

Border

The CSS property to change the border of an element to XYZ 78.9989, 89.0380, 102.6449 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(215, 249, 249) }
```


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

```
.border{ border-color:rgb(215, 249, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 249, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 249, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 249, 249);  
box-shadow:4px 4px 4px 4px rgb(215, 249,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 78.9989, 89.0380, 102.6449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 249, 249) }
```

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

```
.background{ background-color: rgb(215,  
249, 249) }
```

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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