

# Converting Colors

XYZ(79.7946, 88.9382,  
102.3399)

Have a look what the booklet for  
XYZ(79.7946, 88.9382, 102.3399)  
contains.

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# Color

**XYZ(79.8797, 89.0344,  
102.5978)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBF8F9
RGB	219, 248, 249
RGB Percent	86%, 97%, 98%
CMY	0.1412, 0.0274, 0.0235
CMYK	0.12, 0.00, 0.00, 0.02
HSL	182°, 71%, 92%
HSV	182°, 12%, 98%
XYZ	79.8797, 89.0344, 102.5978
YIQ	239.4430, -17.6050, -5.8370

# Conversions

## Conversions Part 2

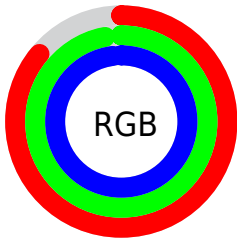
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 234, 249
Decimal	14416121
CIE Lab	95.59, -9.16, -3.67
CIE LCh	96, 9.871, 201.828
Yxy	89.0344, 0.2942, 0.3279
Android (android.graphics.Color)	4292606201 (0xFFDBF8F9)
YUV	239.4430, 4.7116, -17.9285
Hunter-Lab	94.3580, -14.0157, 1.5832

# Details

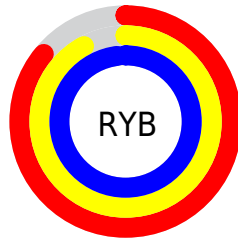
The XYZ color **79.8797, 89.0344, 102.5978** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.4469, 76.4404, 77.6920**, and the grayscale version is **82.3656, 86.6550, 94.3673**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7851, 49.4420, 57.6876** is the 20% darker color. If you saturate the color by 10%, you get **72.6888, 84.9531, 102.1904**, and if you desaturate by 10%, it is **88.1974, 93.7031, 103.0620**.

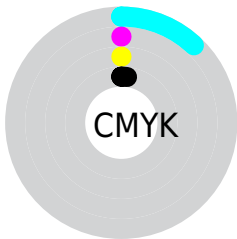
# Distribution



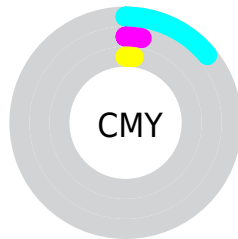
- Red (86%)
- Green (97%)
- Blue (98%)



- Red (86%)
- Yellow (92%)
- Blue (98%)



- Cyan (12%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)



- Cyan (14%)
- Magenta (3%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.8797, 89.0344, 102.5978 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 79.8797, 89.0344, 102.5978 by changing the saturation by 10% instead.



79.8797, 89.0344,  
102.5978

79.8797, 89.0344,  
102.5978

483.2700,  
524.8848, 589.8074

59.9275, 67.1801,  
77.8429

132.1480,  
145.9964, 166.8055

43.6094, 49.2310,  
57.4293

165.1948,  
181.8729, 207.0954

30.5602, 34.8027,  
40.9383

203.3372,  
223.1921, 253.4007

20.4143, 23.5110,  
27.9516

246.9405,  
270.3386, 306.1400

12.8066, 14.9712,  
18.0504

296.3700,  
323.6968, 365.7317

7.3716, 8.7992,  
10.8164

351.9913,

3.7439, 4.6104,

383.6509, 432.5945

5.8309

414.1695,  
450.5854, 507.1469

■ 1.5583, 2.0206,  
2.6754

■ 0.3650, 0.6194,  
0.9310

■ 79.8797, 89.0344,  
102.5978

■ 79.8797, 89.0344,  
102.5978

■ 72.6888, 84.9531,  
102.1904

■ 88.1974, 93.7031,  
103.0620

■ 66.5673, 81.4223,  
101.8316

■ 92.4190, 96.2594,  
103.3329

■ 61.4647, 78.4185,  
101.5207

■ 92.6762, 96.7737,  
103.4186

■ 57.3229, 75.9116,  
101.2551

■ 92.9344, 97.2902,  
103.5047

■ 54.0783, 73.8690,  
101.0319

■ 93.1938, 97.8089,  
103.5911

■ 51.6596, 72.2537,  
100.8476

■ 93.4543, 98.3299,  
103.6780

■ 49.9846, 71.0235,  
100.6984

■ 93.7159, 98.8532,  
103.7652

■ 48.9540, 70.1271,  
100.5797

■ 93.9787, 99.3787,  
103.8528

■ 48.4748, 69.5910,  
100.5015

■ 94.0992, 99.6197,  
103.8929

# Harmonies

## Analogous

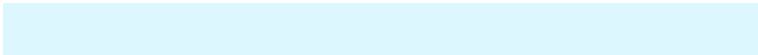
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.5716, 89.0344, 94.8379



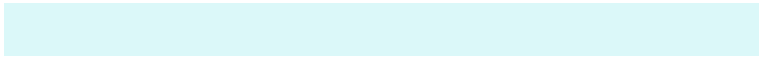
79.8797, 89.0344, 102.5978



81.4454, 89.0344, 109.1530

# Triad

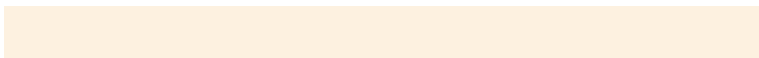
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.8797, 89.0344, 102.5978



88.7868, 89.0344, 106.4601



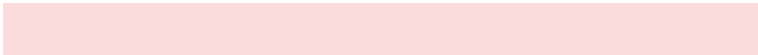
85.3672, 89.0344, 82.9113

# Complementary

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



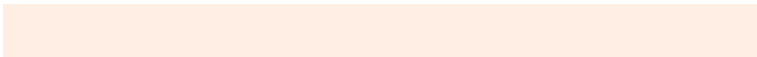
79.8797, 89.0344, 102.5978



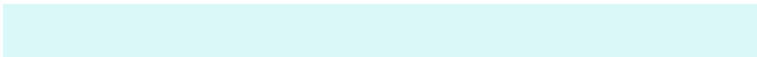
77.4469, 76.4404, 77.6920

# 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.



87.8854, 89.0344, 85.6799



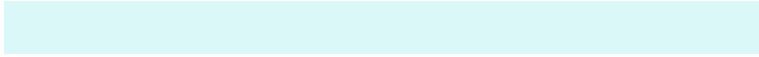
79.8797, 89.0344, 102.5978



89.8870, 89.0344, 99.0797

# Square

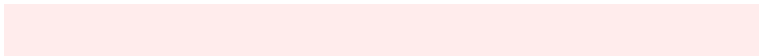
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.8797, 89.0344, 102.5978



86.5765, 89.0344, 111.4645



89.5536, 89.0344, 91.5005



82.7021, 89.0344, 83.7415

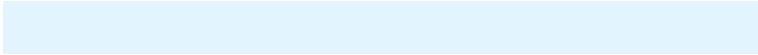


# Rectangle

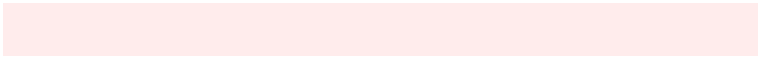
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



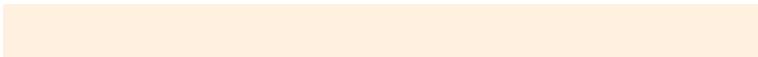
79.8797, 89.0344, 102.5978



83.0101, 89.0344, 111.8223



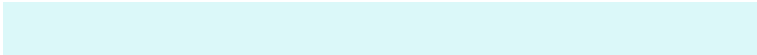
89.5536, 89.0344, 91.5005



86.2597, 89.0344, 83.4465

# Sweetspot

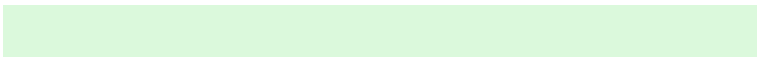
The Sweet Spot groups the original color and five complimentary colors.



79.8823, 89.0381, 102.5998



91.2885, 97.9005, 108.6930



75.9427, 87.9538, 80.3392



19.3928, 20.8727, 23.2567



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

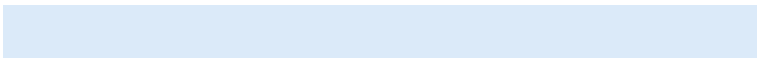
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8823, 89.0381, 102.5998



82.7366, 93.0924, 108.2157



75.5945, 80.4625, 101.1705



17.7135, 19.5038, 22.2163



25.9693, 37.2942, 53.8033



2.4203, 3.4842, 4.9881



# Inverse Universe

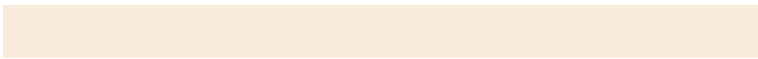
The Inverse Universe completely reimagines the original color for something new.



81.3437, 77.5819, 99.4987



84.5095, 79.2236, 104.4475



81.4200, 84.3865, 79.0163



17.9667, 17.5140, 21.6802



29.4001, 14.1758, 45.6771

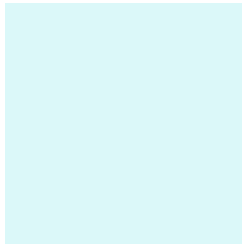


2.7306, 1.3160, 4.2705



# Previews

## White Background



This preview shows how the XYZ color 79.8797, 89.0344, 102.5978 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

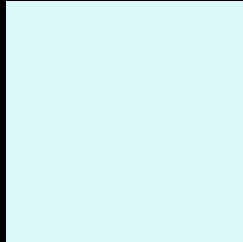
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.8797, 89.0344, 102.5978 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

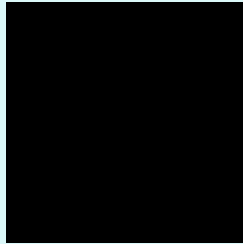
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 79.8797, 89.0344, 102.5978**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.8797, 89.0344, 102.5978.



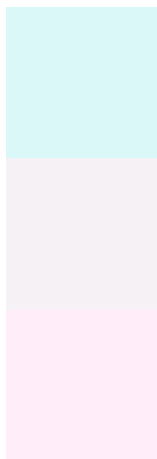
This preview shows how white text looks on a background with the XYZ color 79.8797, 89.0344,

102.5978.

# 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

79.8797, 89.0344, 102.5978

### Protanopia

85.5929, 88.9156, 99.0374

### Deuteranopia

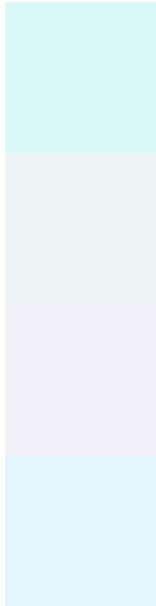
88.6231, 88.6679, 102.0662



## **Tritanopia**

83.3557, 88.9103, 107.3758

# Trichromacy



## Original Color

79.8797, 89.0344, 102.5978

## Protanomaly

83.5773, 89.1881, 99.9988

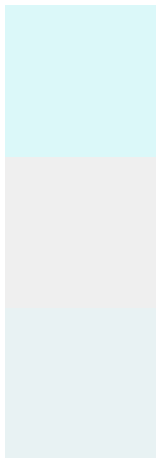
## Deuteranomaly

85.1721, 88.6274, 102.2403

## Tritanomaly

82.0606, 88.7276, 105.7296

# Monochromacy



## Original Color

79.8797, 89.0344, 102.5978

## Achromatopsia

82.0431, 86.3157, 93.9978

## Achromatomaly

81.2085, 87.1311, 97.3319

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.8797, 89.0344, 102.5978 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(219, 248, 249)` looks like.

```
.text, #text, p{  
    color:rgb(219, 248, 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(219, 248, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 248, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 79.8797, 89.0344, 102.5978 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(219, 248, 249) }
```



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

```
.border{ border-color:rgb(219, 248, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 248, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 248, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 248, 249);  
box-shadow:4px 4px 4px 4px rgb(219, 248,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.8797, 89.0344, 102.5978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 248, 249) }
```

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

```
.background{ background-color: rgb(219,  
248, 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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