Converting Colors

CIELCh(96, 17.886, 183.150)

Have a look what the booklet for CIELCh(96, 17.886, 183.150) contains.

Color

CIELCh(96, 17.880, 183.293)

Conversions

Conversions Part 1

Format	Color
Hex	CBFEF5
RGB	203, 254, 245
RGB Percent	80%, 100%, 96%
CMY	0.2047, 0.0047, 0.0400
CMYK	0.20, 0.00, 0.04, 0.00
HSL	169°, 96%, 90%
HSV	169°, 20%, 100%
XYZ	76.4064, 90.0078, 99.5753
YIQ	237.7250, -27.5070, -13.6110

Conversions

Conversions Part 2

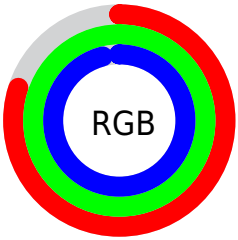
Format	Color
RYB	203, 231, 254
Decimal	13369077
CIELab	96.00, -17.85, -1.03
CIELCh	96, 17.880, 183.293
Yxy	90.0078, 0.2873, 0.3384
Android (android.graphics.Color)	4291559157 (0xFFCBFEF5)
YUV	237.7250, 3.5866, -30.4538
Hunter-Lab	94.8724, -22.2701, 4.1817

Details

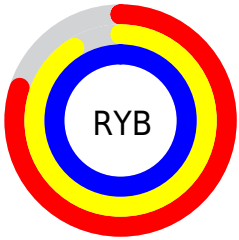
The CIELCh color 96, 17.880, 183.293 is a light color, and the websafe version is hex CCFFFF. A complement of this color would be 86, 19.525, 7.081, and the grayscale version is 94, 0.011, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 76, 17.727, 183.938 is the 20% darker color. If you saturate the color by 10%, you get 95, 26.159, 182.315, and if you desaturate by 10%, it is 98, 9.141, 184.238.

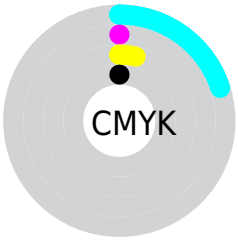
Distribution



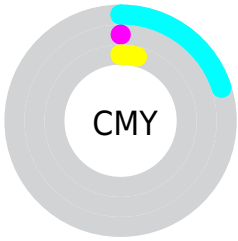
- Red (80%)
- Green (100%)
- Blue (96%)



- Red (80%)
- Yellow (91%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)



- Cyan (20%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 96, 17.880, 183.293 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 CIELCh color 96, 17.880, 183.293 by changing the saturation by 10% instead.

96, 17.880, 183.293

100, 17.880, 183.293

96, 17.880, 183.293

86, 17.880, 183.293

76, 17.880, 183.293

66, 17.880, 183.293

56, 17.880, 183.293

46, 17.880, 183.293

36, 17.880, 183.293

26, 17.880,

183.293

16, 17.880, 183.293

6, 17.880, 183.293

96, 17.880, 183.293

95, 26.159, 182.315

93, 33.817, 181.288

92, 40.701, 180.190

91, 46.671, 179.000

96, 17.880, 183.293

98, 9.141, 184.238

100, 0.082, 192.639

100, 0.750, 324.055

91, 51.622, 177.694

90, 55.512, 176.250

90, 58.374, 174.649

90, 60.396, 172.924

Harmonies

Complementary

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

96, 17.880, 183.293

86, 19.525, 7.081

Rectangle

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

96, 17.880, 183.293

96, 17.880, 233.293

96, 17.880, 3.293

96, 17.880, 53.293

Sweetspot

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

96, 17.881, 183.288

99, 5.485, 184.647

96, 30.154, 138.287

53, 3.635, 184.578

0, 0.000, 0.000

53, 0.007, 296.813

Same Dimension

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

96, 17.881, 183.288

96, 21.259, 182.912

92, 14.016, 235.573

52, 5.173, 184.295

69, 48.633, 173.247

23, 21.788, 175.583

Inverse Universe

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

86, 19.525, 7.081

84, 23.647, 7.578

90, 15.687, 52.180

50, 5.387, 5.877

40, 76.122, 31.300

10, 32.123, 19.862

Previews

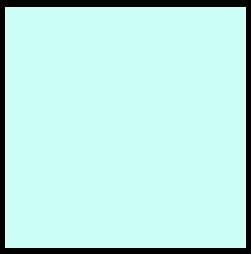
White Background

This preview shows how the CIELCh color 96, 17.880, 183.293 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



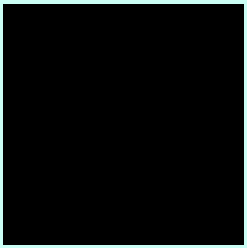
This preview shows how the CIELCh color 96, 17.880, 183.293 looks on a black background.

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.

CIELCh 96, 17.880, 183.293 Background



This preview shows how black text looks on a background with the CIELCh color 96, 17.880, 183.293.

This preview shows how white text looks on a background with the CIELCh color 96, 17.880, 183.293.

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
96, 17.880, 183.293

Protanopia
96, 2.939, 63.306

Deuteranopia
96, 6.732, 347.637

Tritanopia
96, 7.321, 238.340

Trichromacy

Original Color
96, 17.880, 183.293

Protanomaly
96, 5.823, 167.278

Deuteranomaly
96, 2.953, 219.793

Tritanomaly
96, 10.201, 204.613

Monochromacy

Original Color
96, 17.880, 183.293

Achromatopsia
94, 0.011, 296.813

Achromatomaly
95, 6.956, 181.834

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 96, 17.880, 183.293 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(203, 254, 245) looks like.

```
.text, #text, p{
    color:rgb(203, 254, 245)
}
```

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(203, 254, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 254, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 96, 17.880, 183.293 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(203, 254, 245) }
```

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

```
.border{ border-color:rgb(203, 254, 245) }
```

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

Here you see how a box with a 4 pixel rgb(203, 254, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 254, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 254, 245); box-shadow:4px 4px 4px 4px rgb(203, 254, 245) }
```

Background

The CSS property to change the background color of an element to CIELCh 96, 17.880, 183.293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(203, 254, 245) }
```

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

```
.background{ background-color:rgb(203,
254, 245) }
```

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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