Converting Colors

CIELCh(97, 16.881, 162.354)

Have a look what the booklet for CIELCh(97, 16.881, 162.354) contains.

Color

CIELCh(97, 16.789, 163.033)

Conversions

Conversions Part 1

Format	Color
Hex	D8FFEC
RGB	216, 255, 236
RGB Percent	85%, 100%, 93%
CMY	0.1517, 0.0000, 0.0733
CMYK	0.15, 0.00, 0.07, 0.00
HSL	151°, 100%, 92%
HSV	151°, 15%, 100%
XYZ	79.4549, 92.4403, 93.2478
YIQ	241.1730, -17.1450, -14.1770

Conversions

Conversions Part 2

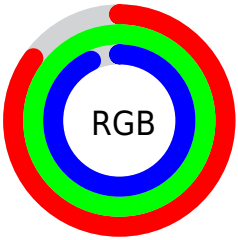
Format	Color
RYB	216, 242, 255
Decimal	14221292
CIELab	97.00, -16.06, 4.90
CIELCh	97, 16.789, 163.033
Yxy	92.4403, 0.2997, 0.3486
Android (android.graphics.Color)	4292411372 (0xFFD8FFEC)
YUV	241.1730, -2.5503, -22.0767
Hunter-Lab	96.1459, -20.7429, 9.7993

Details

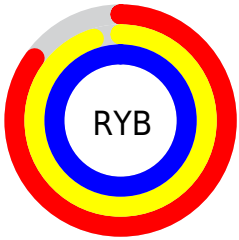
The CIELCh color 97, 16.789, 163.033 is a light color, and the websafe version is hex CCFFFF. A complement of this color would be 90, 16.958, 345.889, and the grayscale version is 95, 0.011, 296.813.

A 20% lighter version of the original color is 100, 0.012, 296.813, and 77, 16.683, 162.764 is the 20% darker color. If you saturate the color by 10%, you get 95, 27.432, 162.256, and if you desaturate by 10%, it is 99, 5.659, 164.229.

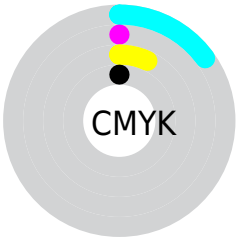
Distribution



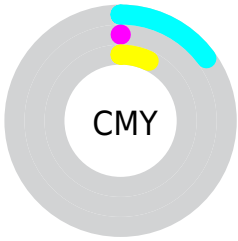
- Red (85%)
- Green (100%)
- Blue (93%)



- Red (85%)
- Yellow (95%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 97, 16.789, 163.033 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 97, 16.789, 163.033 by changing the saturation by 10% instead.

97, 16.789, 163.033

100, 16.789, 163.033

97, 16.789, 163.033

87, 16.789, 163.033

77, 16.789, 163.033

67, 16.789, 163.033

57, 16.789, 163.033

47, 16.789, 163.033

37, 16.789, 163.033

27, 16.789,

163.033

17, 16.789, 163.033

7, 16.789, 163.033

97, 16.789, 163.033

95, 27.432, 162.256

94, 37.977, 161.128

92, 48.059, 159.859

91, 57.488, 158.422

97, 16.789, 163.033

99, 5.659, 164.229

100, 0.012, 296.813

90, 66.085, 156.792

89, 73.716, 154.949

89, 80.315, 152.888

89, 85.919, 150.630

89, 88.366, 149.520

Harmonies

Complementary

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

97, 16.789, 163.033

90, 16.958, 345.889

Rectangle

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

97, 16.789, 163.033

97, 16.789, 213.033

97, 16.789, 343.033

97, 16.789, 33.033

Sweetspot

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

97, 16.606, 163.270

99, 5.468, 164.247

98, 20.978, 128.973

53, 3.732, 164.175

0, 0.000, 0.000

53, 0.007, 296.813

Same Dimension

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

97, 16.606, 163.270

96, 19.685, 162.993

97, 12.772, 200.139

52, 6.224, 163.810

68, 70.549, 149.954

23, 30.454, 153.190

Inverse Universe

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

90, 16.958, 345.889

88, 20.178, 346.169

90, 14.110, 21.735

50, 6.311, 345.345

41, 68.099, 3.741

10, 31.719, 357.879

Previews

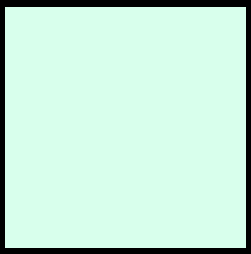
White Background

This preview shows how the CIELCh color 97, 16.789, 163.033 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



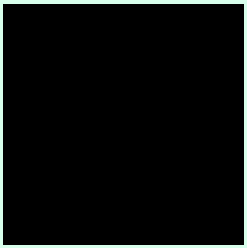
This preview shows how the CIELCh color 97, 16.789, 163.033 looks on a black background.

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 97, 16.789, 163.033 Background



This preview shows how black text looks on a background with the CIELCh color 97, 16.789, 163.033.

This preview shows how white text looks on a background with the CIELCh color 97, 16.789, 163.033.

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
97, 16.789, 163.033

Protanopia
97, 7.824, 85.010

Deuteranopia
97, 4.296, 12.728

Tritanopia
97, 5.294, 250.114

Trichromacy

Original Color
97, 16.789, 163.033

Protanomaly
97, 8.792, 130.968

Deuteranomaly
97, 3.738, 144.387

Tritanomaly
97, 7.326, 190.977

Monochromacy

Original Color
97, 16.789, 163.033

Achromatopsia
95, 0.011, 296.813

Achromatomaly
96, 6.120, 163.257

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 97, 16.789, 163.033 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(216, 255, 236) looks like.

```
.text, #text, p{
    color:rgb(216, 255, 236)
}
```

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(216, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 97, 16.789, 163.033 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(216, 255, 236) }
```

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

```
.border{ border-color:rgb(216, 255, 236) }
```

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

Here you see how a box with a 4 pixel rgb(216, 255, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 255, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 255, 236); box-shadow:4px 4px 4px 4px rgb(216, 255, 236) }
```

Background

The CSS property to change the background color of an element to CIELCh 97, 16.789, 163.033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(216, 255, 236) }
```

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

```
.background{ background-color:rgb(216,
255, 236) }
```

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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