

Converting Colors

CIELCh(84, 13.260, 213.856)

Have a look what the booklet for
CIELCh(84, 13.260, 213.856)
contains.

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Color

CIELCh(84, 13.296, 214.785)

Conversions

Conversions Part 1

Format	Color
Hex	B2D8DF
RGB	178, 216, 223
RGB Percent	70%, 85%, 87%
CMY	0.3010, 0.1520, 0.1246
CMYK	0.20, 0.03, 0.00, 0.12
HSL	189°, 41%, 79%
HSV	189°, 20%, 88%
XYZ	56.3808, 64.0658, 79.3746
YIQ	205.4360, -24.8950, -5.8790

Conversions

Conversions Part 2

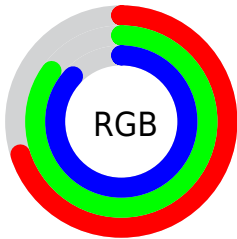
Format	Color
RYB	178, 199, 223
Decimal	11720927
CIELab	84.00, -10.92, -7.59
CIELCh	84, 13.296, 214.785
Yxy	64.0658, 0.2822, 0.3206
Android (android.graphics.Color)	4289911007 (0xFFB2D8DF)
YUV	205.4360, 8.6591, -24.0614
Hunter-Lab	80.0411, -14.3368, -2.7675

Details

The CIELCh color **84, 13.296, 214.785** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **78, 15.245, 34.577**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 7.186, 199.043**, and **64, 13.419, 215.390** is the 20% darker color. If you saturate the color by 10%, you get **82, 19.195, 215.124**, and if you desaturate by 10%, it is **86, 6.901, 214.616**.

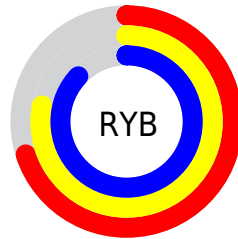
Distribution



Red (70%)

Green (85%)

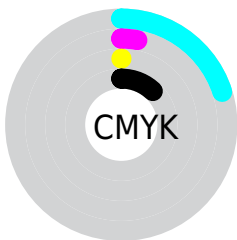
Blue (87%)



Red (70%)

Yellow (78%)

Blue (87%)

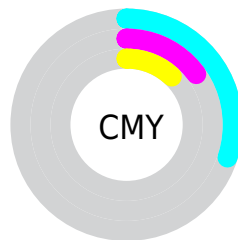


Cyan (20%)

Magenta (3%)

Yellow (0%)

Black (12%)



Cyan (30%)

Magenta (15%)

Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 13.296, 214.785 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 84, 13.296, 214.785 by changing the saturation by 10% instead.


 84, 13.296,
214.785

 84, 13.296,
214.785


 100, 13.296,
214.785


 74, 13.296,
214.785


 64, 13.296,
214.785

 54, 13.296,
214.785

 44, 13.296,
214.785

 34, 13.296,
214.785

 24, 13.296,
214.785

 14, 13.296,

214.785

■ 4, 13.296, 214.785

■ 0, 13.296, 214.785

■ 84, 13.296,
214.785

■ 84, 13.296,
214.785

■ 82, 19.195,
215.124

■ 86, 6.901, 214.616

■ 80, 24.487,
215.675

■ 89, 0.114, 219.723

■ 91, 6.976, 34.374

■ 78, 29.062,
216.477

■ 93, 9.786, 41.061

■ 76, 32.825,
217.586

■ 94, 9.477, 53.794

■ 95, 9.657, 66.675

■ 74, 35.711,

219.067

96, 10.297, 78.480

73, 37.704,
220.989

97, 11.317, 88.497

72, 38.859,
223.415

97, 12.623, 96.619

71, 39.384,
226.265

Harmonies

Complementary

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



84, 13.296, 214.785



78, 15.245, 34.577

Rectangle

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



84, 13.296, 214.785



84, 13.296, 264.785



84, 13.296, 34.785



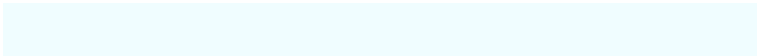
84, 13.296, 84.785

Sweetspot

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



84, 13.296, 214.778



98, 4.588, 214.626



85, 26.049, 147.468



52, 3.038, 214.619



0, 0.000, 0.000



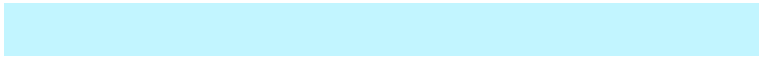
53, 0.007, 296.813

Same Dimension

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



84, 13.296, 214.778



94, 17.395, 214.894



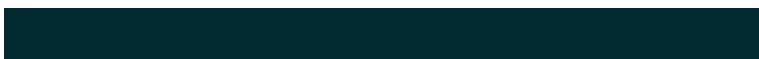
78, 16.396, 272.685



46, 3.880, 214.612



57, 32.975, 225.731



14, 13.637, 220.332

Inverse Universe

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



78, 26.018, 330.239



85, 34.516, 330.494



84, 16.535, 87.181



44, 7.324, 329.563



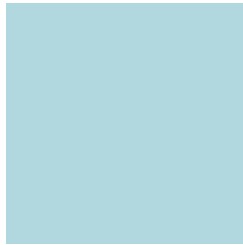
40, 77.513, 335.536



7, 32.341, 334.160

Previews

White Background



This preview shows how the CIE LCh color 84, 13.296, 214.785 looks on a white background.

Color Contrast Check

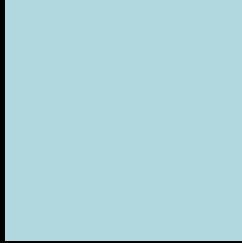
Large Text (above 18pt) WCAG AA × Fail

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 84, 13.296, 214.785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

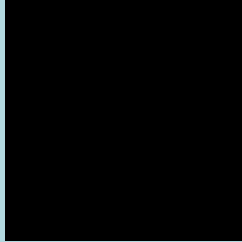
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

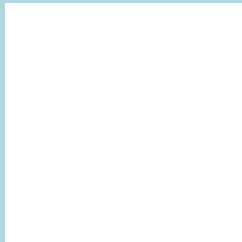
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 13.296, 214.785

Background



This preview shows how black text looks on a background with the CIELCh color 84, 13.296, 214.785.

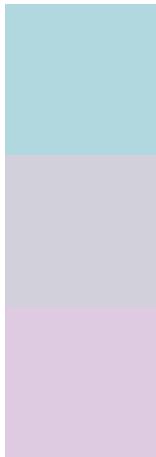


This preview shows how white text looks on a background with the CIELCh color 84, 13.296, 214.785.

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
84, 13.296, 214.785

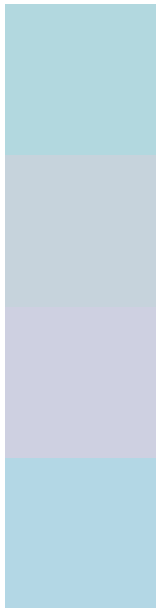
Protanopia
84, 5.341, 298.307

Deuteranopia
84, 13.960, 320.029



Tritanopia
84, 14.481, 237.212

Trichromacy



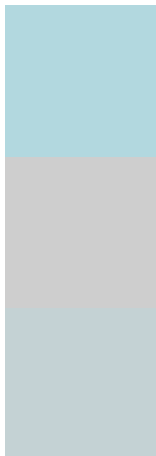
Original Color
84, 13.296, 214.785

Protanomaly
84, 6.507, 246.207

Deuteranomaly
84, 8.991, 286.495

Tritanomaly
84, 13.942, 230.854

Monochromacy



Original Color
84, 13.296, 214.785

Achromatopsia
83, 0.010, 296.813

Achromatomaly
83, 5.061, 211.234

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 13.296, 214.785 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(178, 216, 223)` looks like.

```
.text, #text, p{  
    color:rgb(178, 216, 223)  
}
```

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(178, 216, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 216, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 13.296, 214.785 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(178, 216, 223) }
```

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

```
.border{ border-color:rgb(178, 216, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 216, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 216, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 216, 223);  
box-shadow:4px 4px 4px 4px rgb(178, 216,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 13.296, 214.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 216, 223) }
```

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

```
.background{ background-color: rgb(178,  
216, 223) }
```

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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