

Converting Colors

CIELCh(80, 23.474, 204.448)

Have a look what the booklet for
CIELCh(80, 23.474, 204.448)
contains.

CIELCh(80, 23.488, 204.354)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(80, 23.488, 204.354)

Conversions

Conversions Part 1

Format	Color
Hex	8AD3D8
RGB	138, 211, 216
RGB Percent	54%, 83%, 85%
CMY	0.4604, 0.1742, 0.1546
CMYK	0.36, 0.02, 0.00, 0.15
HSL	184°, 50%, 69%
HSV	184°, 36%, 85%
XYZ	45.9409, 56.6813, 73.1973
YIQ	189.7430, -45.1130, -13.9210

Conversions

Conversions Part 2

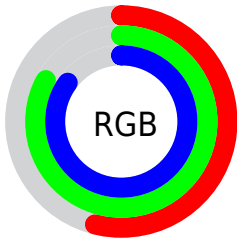
Format	Color
RYB	138, 176, 216
Decimal	9098200
CIELab	80.00, -21.40, -9.69
CIELCh	80, 23.488, 204.354
Yxy	56.6813, 0.2613, 0.3224
Android (android.graphics.Color)	4287288280 (0xFF8AD3D8)
YUV	189.7430, 12.9447, -45.3786
Hunter-Lab	75.2870, -22.8297, -4.9435

Details

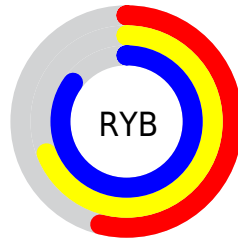
The CIELCh color **80, 23.488, 204.354** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **66, 30.528, 27.446**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 19.913, 198.193**, and **60, 23.456, 204.378** is the 20% darker color. If you saturate the color by 10%, you get **79, 28.552, 204.364**, and if you desaturate by 10%, it is **82, 17.703, 204.459**.

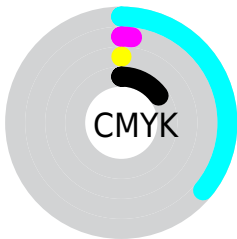
Distribution



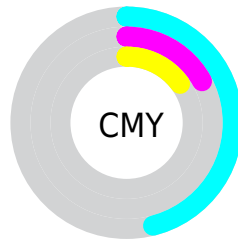
- Red (54%)
- Green (83%)
- Blue (85%)



- Red (54%)
- Yellow (69%)
- Blue (85%)



- Cyan (36%)
- Magenta (2%)
- Yellow (0%)
- Black (15%)





- Cyan (46%)
- Magenta (17%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 23.488, 204.354 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 80, 23.488, 204.354 by changing the saturation by 10% instead.


 80, 23.488,
204.354


 80, 23.488,
204.354


 100, 23.488,
204.354


 70, 23.488,
204.354

 60, 23.488,
204.354

 50, 23.488,
204.354

 40, 23.488,
204.354

 30, 23.488,
204.354

 20, 23.488,
204.354

 10, 23.488,

204.354

0, 23.488, 204.354

80, 23.488,
204.354

80, 23.488,
204.354

79, 28.552,
204.364

82, 17.703,
204.459

77, 32.786,
204.519

83, 11.314,
204.674

76, 36.110,
204.837

85, 4.440, 205.030

76, 38.484,
205.340

87, 2.809, 25.025

75, 39.922,
206.050

89, 10.336, 25.562

90, 13.529, 27.501

■ 74, 40.515,
206.977

■ 91, 13.137, 30.797

■ 74, 40.623,
207.366

■ 91, 12.792, 34.284

■ 91, 12.497, 37.949

Harmonies

Complementary

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



80, 23.488, 204.354



66, 30.528, 27.446

Rectangle

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



80, 23.488, 204.354



80, 23.488, 254.354



80, 23.488, 24.354



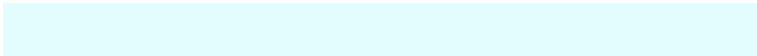
80, 23.488, 74.354

Sweetspot

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



80, 23.488, 204.351



98, 8.946, 204.828



80, 48.583, 143.100



52, 5.988, 204.782



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 23.488, 204.351



92, 30.909, 204.347



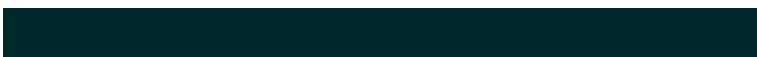
70, 25.562, 266.737



44, 4.025, 204.888



60, 34.196, 207.177



14, 13.588, 205.058

Inverse Universe

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



67, 48.077, 328.251



75, 64.899, 328.646



76, 27.430, 75.919



42, 7.512, 326.719



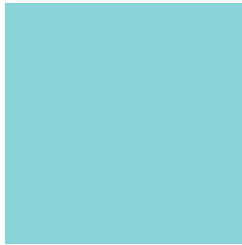
40, 81.433, 330.941



6, 31.453, 330.225

Previews

White Background



This preview shows how the CIE LCh color 80, 23.488, 204.354 looks on a white background.

Color Contrast Check

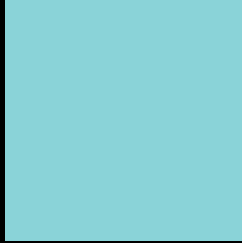
Large Text (above 18pt) WCAG AA × Fail

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 80, 23.488, 204.354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

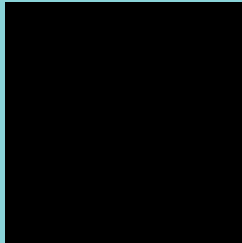
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 23.488, 204.354

Background



This preview shows how black text looks on a background with the CIELCh color 80, 23.488, 204.354.

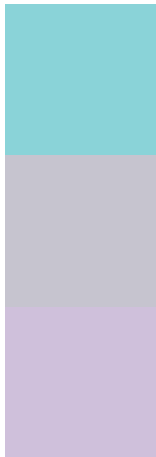


This preview shows how white text looks on a background with the CIELCh color 80, 23.488, 204.354.

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

80, 23.488, 204.354

Protanopia

80, 5.929, 297.670

Deuteranopia

80, 15.435, 311.511



Tritanopia
80, 23.154, 221.238

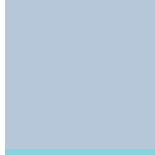
Trichromacy



Original Color
80, 23.488, 204.354



Protanomaly
79, 9.804, 228.321



Deuteranomaly
80, 11.562, 260.722

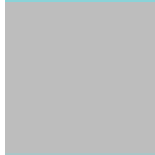


Tritanomaly
80, 23.145, 214.078

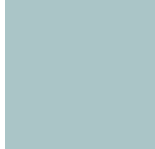
Monochromacy



Original Color
80, 23.488, 204.354



Achromatopsia
77, 0.009, 296.813



Achromatomaly
78, 9.555, 205.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 23.488, 204.354 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(138, 211, 216)` looks like.

```
.text, #text, p{  
    color:rgb(138, 211, 216)  
}
```

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(138, 211, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 211, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 23.488, 204.354 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(138, 211, 216) }
```

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

```
.border{ border-color:rgb(138, 211, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 211, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 211, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 211, 216);  
box-shadow:4px 4px 4px 4px rgb(138, 211,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 23.488, 204.354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 211, 216) }
```

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

```
.background{ background-color: rgb(138,  
211, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor