

Converting Colors

CIELCh(76, 23.830, 187.177)

Have a look what the booklet for
CIELCh(76, 23.830, 187.177)
contains.

CIELCh(76, 23.936, 187.175)	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(76, 23.936, 187.175)

Conversions

Conversions Part 1

Format	Color
Hex	82C8C0
RGB	130, 200, 192
RGB Percent	51%, 78%, 75%
CMY	0.4900, 0.2155, 0.2469
CMYK	0.35, 0.00, 0.04, 0.22
HSL	173°, 39%, 65%
HSV	173°, 35%, 78%
XYZ	39.3974, 49.8872, 57.4483
YIQ	178.1580, -39.1520, -17.3280

Conversions

Conversions Part 2

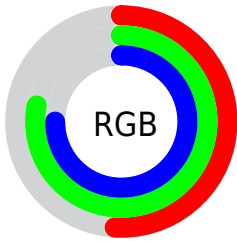
Format	Color
RYB	130, 167, 200
Decimal	8571072
CIELab	76.00, -23.75, -2.99
CIELCh	76, 23.936, 187.175
Yxy	49.8872, 0.2685, 0.3400
Android (android.graphics.Color)	4286761152 (0xFF82C8C0)
YUV	178.1580, 6.8241, -42.2346
Hunter-Lab	70.6309, -24.0382, 1.2176

Details

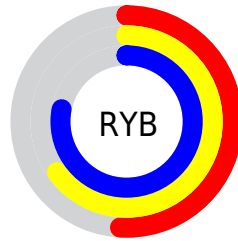
The CIELCh color **76, 23.936, 187.175** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **62, 28.892, 13.860**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 23.248, 189.018**, and **56, 24.044, 187.471** is the 20% darker color. If you saturate the color by 10%, you get **75, 29.636, 186.303**, and if you desaturate by 10%, it is **77, 17.628, 188.015**.

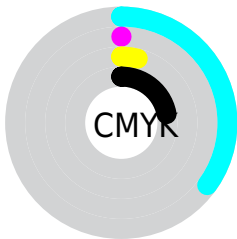
Distribution



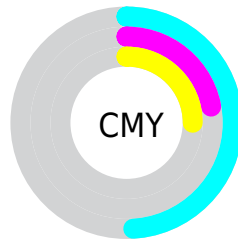
- Red (51%)
- Green (78%)
- Blue (75%)



- Red (51%)
- Yellow (65%)
- Blue (78%)



- Cyan (35%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)





- Cyan (49%)
- Magenta (22%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 23.936, 187.175 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 76, 23.936, 187.175 by changing the saturation by 10% instead.


 76, 23.936,
187.175


 76, 23.936,
187.175


 100, 23.936,
187.175


 66, 23.936,
187.175


 96, 23.936,
187.175

 56, 23.936,
187.175

 46, 23.936,
187.175

 36, 23.936,
187.175

 26, 23.936,
187.175

 16, 23.936,
187.175

 6, 23.936, 187.175

0, 23.936, 187.175

76, 23.936,
187.175

76, 23.936,
187.175

75, 29.636,
186.303

77, 17.628,
188.015

74, 34.610,
185.395

78, 10.834,
188.847

74, 38.766,
184.432

80, 3.674, 189.739

81, 3.743, 10.234

73, 42.046,
183.396

83, 11.323, 11.099

73, 44.446,
182.268

85, 18.988, 11.874

73, 46.028,
181.032

86, 20.971, 9.626

■ 73, 46.641,
180.392

■ 86, 21.154, 6.440

■ 86, 21.404, 3.320

Harmonies

Complementary

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



76, 23.936, 187.175



62, 28.892, 13.860

Rectangle

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



76, 23.936, 187.175



76, 23.936, 237.175



76, 23.936, 7.175



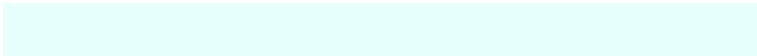
76, 23.936, 57.175

Sweetspot

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



76, 23.937, 187.172



98, 8.885, 189.258



75, 44.130, 139.118



52, 6.046, 189.136



0, 0.000, 0.000



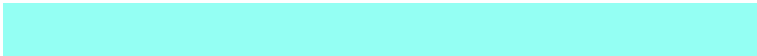
53, 0.007, 296.813

Same Dimension

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



76, 23.937, 187.172



94, 34.018, 186.514



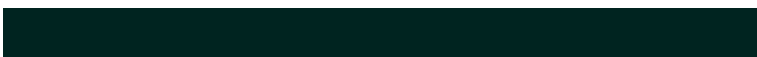
69, 19.919, 246.769



41, 4.124, 189.325



60, 40.021, 180.600



12, 14.078, 183.785

Inverse Universe

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



62, 28.892, 13.860



73, 42.998, 15.168



68, 23.638, 58.598



39, 4.320, 10.715



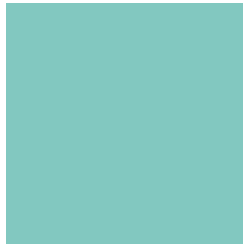
34, 70.034, 34.622



3, 15.992, 13.498

Previews

White Background



This preview shows how the CIELCh color 76, 23.936, 187.175 looks on a white background.

Color Contrast Check

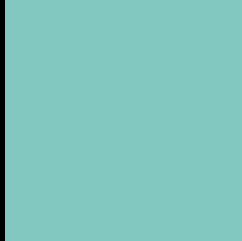
Large Text (above 18pt) WCAG AA × Fail

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 76, 23.936, 187.175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

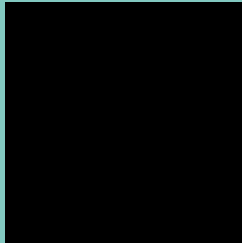
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

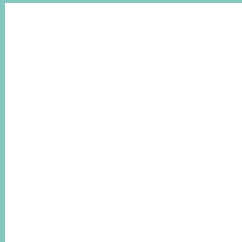
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 23.936, 187.175

Background



This preview shows how black text looks on a background with the CIELCh color 76, 23.936, 187.175.

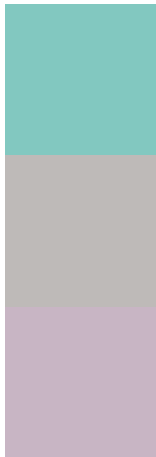


This preview shows how white text looks on a background with the CIELCh color 76, 23.936, 187.175.

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
76, 23.936, 187.175

Protanopia
76, 1.827, 55.193

Deuteranopia
76, 10.733, 331.463



Tritanopia
76, 21.315, 222.118

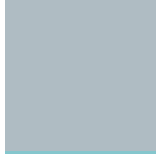
Trichromacy



Original Color
76, 23.936, 187.175



Protanomaly
76, 8.625, 184.276

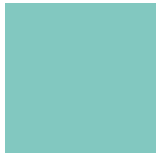


Deuteranomaly
75, 5.929, 238.821

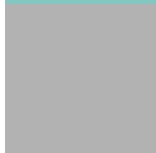


Tritanomaly
76, 21.358, 208.147

Monochromacy



Original Color
76, 23.936, 187.175



Achromatopsia
73, 0.009, 296.813



Achromatomaly
74, 9.203, 188.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 23.936, 187.175 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(130, 200, 192)` looks like.

```
.text, #text, p{  
    color:rgb(130, 200, 192)  
}
```

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(130, 200, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 200, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 23.936, 187.175 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(130, 200, 192) }
```

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

```
.border{ border-color:rgb(130, 200, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 200, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 200, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 200, 192);  
box-shadow:4px 4px 4px 4px rgb(130, 200,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 23.936, 187.175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 200, 192) }
```

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

```
.background{ background-color: rgb(130,  
200, 192) }
```

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