

Converting Colors

CIELCh(75, 20.651, 180.484)

Have a look what the booklet for
CIELCh(75, 20.651, 180.484)
contains.

CIELCh(75, 20.981, 179.745)	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(75, 20.981, 179.745)

Conversions

Conversions Part 1

Format	Color
Hex	8BC4B8
RGB	139, 196, 184
RGB Percent	55%, 77%, 72%
CMY	0.4559, 0.2324, 0.2794
CMYK	0.29, 0.00, 0.06, 0.23
HSL	167°, 32%, 66%
HSV	167°, 29%, 77%
XYZ	38.9103, 48.2781, 52.4728
YIQ	177.5890, -30.1200, -15.8160

Conversions

Conversions Part 2

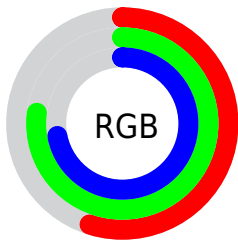
Format	Color
RYB	139, 171, 196
Decimal	9159864
CIELab	75.00, -20.98, 0.09
CIELCh	75, 20.981, 179.745
Yxy	48.2781, 0.2786, 0.3457
Android (android.graphics.Color)	4287349944 (0xFF8BC4B8)
YUV	177.5890, 3.1606, -33.8426
Hunter-Lab	69.4824, -21.6339, 3.8622

Details

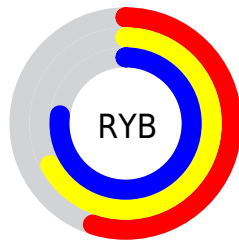
The CIELCh color **75, 20.981, 179.745** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **64, 23.571, 5.654**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 21.057, 179.535**, and **55, 20.866, 179.670** is the 20% darker color. If you saturate the color by 10%, you get **74, 27.462, 178.681**, and if you desaturate by 10%, it is **76, 14.054, 180.742**.

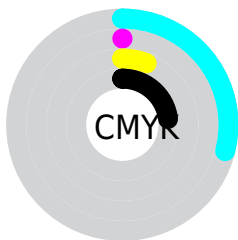
Distribution



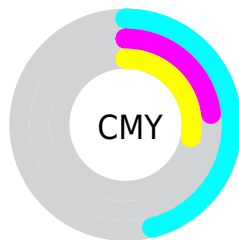
- Red (55%)
- Green (77%)
- Blue (72%)



- Red (55%)
- Yellow (67%)
- Blue (77%)



- Cyan (29%)
- Magenta (0%)
- Yellow (6%)
- Black (23%)





- Cyan (46%)
- Magenta (23%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 20.981, 179.745 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 75, 20.981, 179.745 by changing the saturation by 10% instead.


 75, 20.981,
179.745


 75, 20.981,
179.745


 100, 20.981,
179.745


 65, 20.981,
179.745


 95, 20.981,
179.745

 55, 20.981,
179.745

 45, 20.981,
179.745

 35, 20.981,
179.745

 25, 20.981,
179.745

 15, 20.981,
179.745

 5, 20.981, 179.745

0, 20.981, 179.745

75, 20.981,
179.745

75, 20.981,
179.745

74, 27.462,
178.681

76, 14.054,
180.742

73, 33.369,
177.538

78, 6.799, 181.712

72, 38.586,
176.292

79, 0.671, 1.782

81, 8.261, 3.315

72, 43.022,
174.919

83, 15.893, 4.160

71, 46.626,
173.397

85, 23.071, 4.592

85, 23.623,
359.519

71, 49.408,
171.706

■ 71, 51.517,
169.870

■ 85, 24.362,
354.726

■ 71, 51.695,
169.710

■ 85, 25.271,
350.260

Harmonies

Complementary

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



75, 20.981, 179.745



64, 23.571, 5.654

Rectangle

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



75, 20.981, 179.745



75, 20.981, 229.745



75, 20.981, 359.745



75, 20.981, 49.745

Sweetspot

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



75, 20.982, 179.742



98, 8.320, 181.709



75, 35.025, 136.821



52, 5.771, 181.565



0, 0.000, 0.000



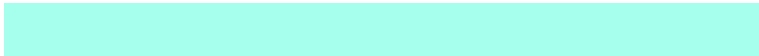
53, 0.007, 296.813

Same Dimension

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



75, 20.982, 179.742



94, 30.765, 179.067



71, 16.034, 232.098



40, 4.193, 181.688



59, 44.479, 170.011



10, 14.476, 175.126

Inverse Universe

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



64, 23.571, 5.654



77, 35.549, 6.627



67, 19.188, 47.993



38, 4.345, 3.259



33, 64.990, 28.007



3, 14.317, 8.069

Previews

White Background



This preview shows how the CIELCh color 75, 20.981, 179.745 looks on a white background.

Color Contrast Check

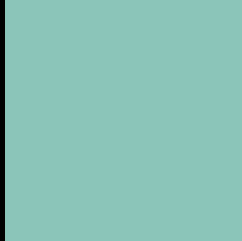
Large Text (above 18pt) WCAG AA × Fail

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 75, 20.981, 179.745 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

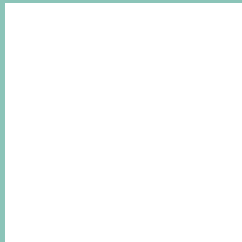
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 20.981, 179.745

Background



This preview shows how black text looks on a background with the CIELCh color 75, 20.981, 179.745.

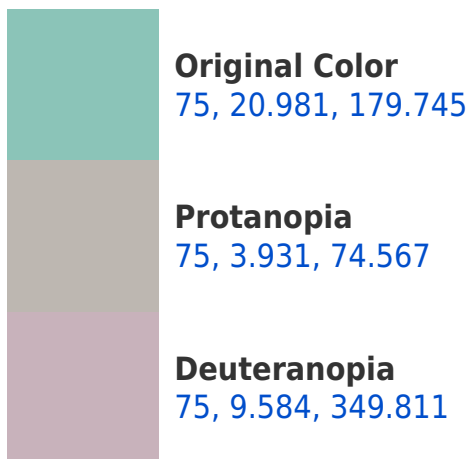


This preview shows how white text looks on a background with the CIELCh color 75, 20.981, 179.745.

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](#).

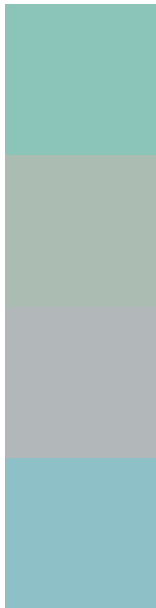
Dichromacy





Tritanopia
75, 17.748, 227.707

Trichromacy



Original Color
75, 20.981, 179.745

Protanomaly
75, 7.992, 161.417

Deuteranomaly
74, 2.437, 225.825

Tritanomaly
75, 17.347, 209.008

Monochromacy



Original Color
75, 20.981, 179.745

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 8.186, 179.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 20.981, 179.745 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(139, 196, 184)` looks like.

```
.text, #text, p{  
    color:rgb(139, 196, 184)  
}
```

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(139, 196, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 196, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 20.981, 179.745 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(139, 196, 184) }
```

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

```
.border{ border-color:rgb(139, 196, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 196, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 196, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 196, 184);  
box-shadow:4px 4px 4px 4px rgb(139, 196,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 20.981, 179.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 196, 184) }
```

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

```
.background{ background-color: rgb(139,  
196, 184) }
```

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