

Converting Colors

CIELCh(75, 21.573, 180.202)

Have a look what the booklet for
CIELCh(75, 21.573, 180.202)
contains.

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Color

CIELCh(75, 21.573, 180.202)

Conversions

Conversions Part 1

Format	Color
Hex	89C4B8
RGB	137, 196, 184
RGB Percent	54%, 77%, 72%
CMY	0.4626, 0.2312, 0.2783
CMYK	0.30, 0.00, 0.06, 0.23
HSL	168°, 33%, 65%
HSV	168°, 30%, 77%
XYZ	38.7245, 48.2781, 52.6431
YIQ	176.9910, -31.3120, -16.2400

Conversions

Conversions Part 2

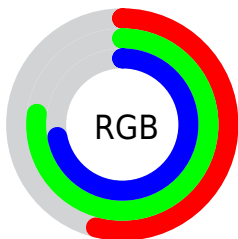
Format	Color
RYB	137, 170, 196
Decimal	9028792
CIELab	75.00, -21.57, -0.08
CIELCh	75, 21.573, 180.202
Yxy	48.2781, 0.2773, 0.3457
Android (android.graphics.Color)	4287218872 (0xFF89C4B8)
YUV	176.9910, 3.4554, -35.0721
Hunter-Lab	69.4824, -22.1113, 3.7169

Details

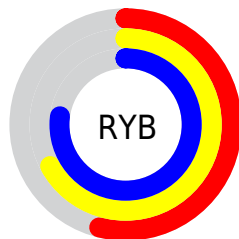
The CIELCh color **75, 21.573, 180.202** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **63, 24.406, 6.327**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 21.646, 180.011**, and **55, 21.438, 180.092** is the 20% darker color. If you saturate the color by 10%, you get **74, 27.969, 179.142**, and if you desaturate by 10%, it is **76, 14.712, 181.195**.

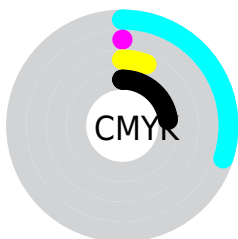
Distribution



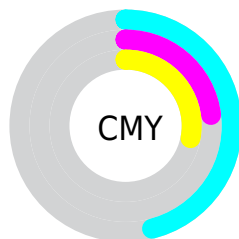
- Red (54%)
- Green (77%)
- Blue (72%)



- Red (54%)
- Yellow (67%)
- Blue (77%)



- Cyan (30%)
- Magenta (0%)
- Yellow (6%)
- Black (23%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 21.573, 180.202 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, 21.573, 180.202 by changing the saturation by 10% instead.


 75, 21.573,
180.202


 75, 21.573,
180.202


 100, 21.573,
180.202


 65, 21.573,
180.202


 95, 21.573,
180.202

 55, 21.573,
180.202

 45, 21.573,
180.202

 35, 21.573,
180.202

 25, 21.573,
180.202

 15, 21.573,
180.202

 5, 21.573, 180.202

0, 21.573, 180.202

75, 21.573,
180.202

75, 21.573,
180.202

74, 27.969,
179.142

76, 14.712,
181.195

73, 33.772,
178.004

78, 7.507, 182.159

72, 38.870,
176.764

79, 0.070, 190.146

81, 7.502, 3.762

72, 43.175,
175.399

83, 15.128, 4.613

71, 46.642,
173.886

85, 22.746, 5.413

85, 23.370, 0.535

71, 49.290,
172.207

85, 24.047,

■ 71, 51.285,
170.416

355.809

■ 85, 24.889,
351.384

Harmonies

Complementary

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



75, 21.573, 180.202



63, 24.406, 6.327

Rectangle

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



75, 21.573, 180.202



75, 21.573, 230.202



75, 21.573, 0.202



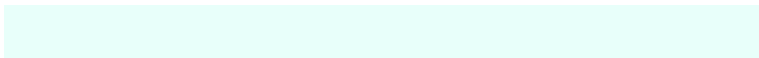
75, 21.573, 50.202

Sweetspot

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



75, 21.574, 180.199



98, 8.293, 182.252



75, 36.244, 136.761



52, 5.752, 182.108



0, 0.000, 0.000



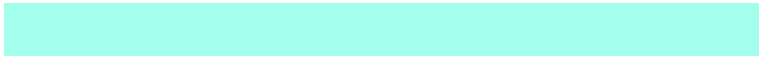
53, 0.007, 296.813

Same Dimension

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



75, 21.574, 180.199



94, 31.411, 179.524



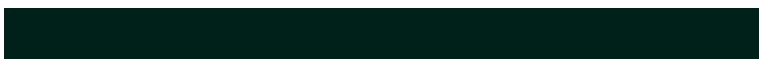
71, 16.544, 232.221



40, 4.179, 182.231



59, 44.082, 170.714



10, 14.389, 175.740

Inverse Universe

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



63, 24.406, 6.327



77, 36.584, 7.326



67, 19.937, 47.957



38, 4.334, 3.793



33, 65.283, 28.555



3, 14.297, 8.440

Previews

White Background



This preview shows how the CIE LCh color 75, 21.573, 180.202 looks on a white background.

Color Contrast Check

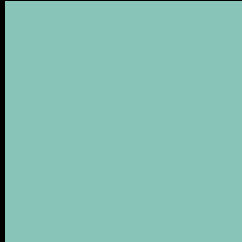
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 75, 21.573, 180.202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

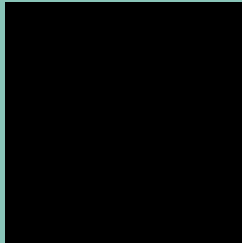
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

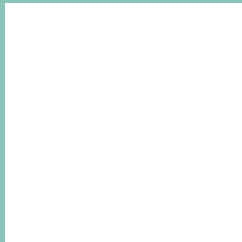
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 21.573, 180.202

Background



This preview shows how black text looks on a background with the CIELCh color 75, 21.573, 180.202.



This preview shows how white text looks on a background with the CIELCh color 75, 21.573, 180.202.

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
75, 21.573, 180.202

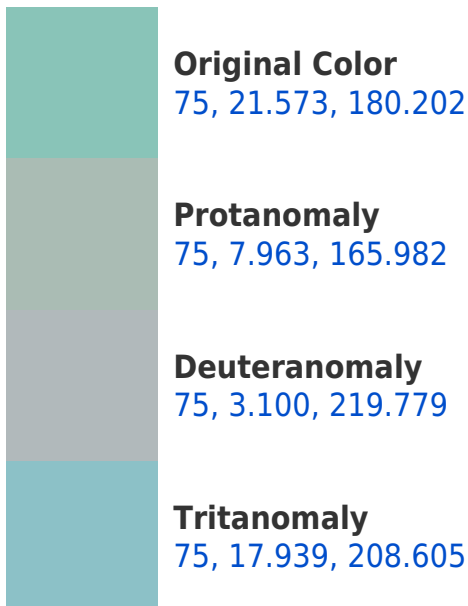
Protanopia
75, 3.931, 74.567

Deuteranopia
75, 9.859, 347.094

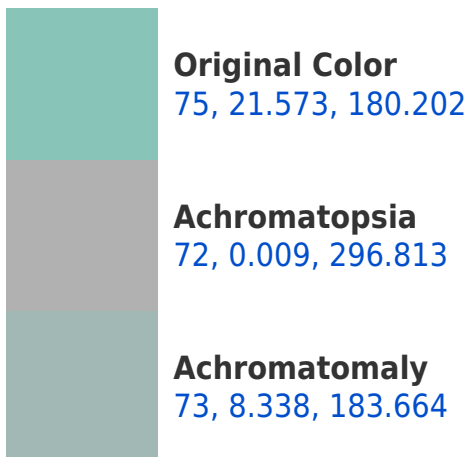


Tritanopia
75, 18.267, 226.766

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 21.573, 180.202 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(137, 196, 184)` looks like.

```
.text, #text, p{  
    color:rgb(137, 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(137, 196, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 196, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 21.573, 180.202 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(137, 196, 184) }
```

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

```
.border{ border-color:rgb(137, 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(137, 196, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 196, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 196, 184);  
box-shadow:4px 4px 4px 4px rgb(137, 196,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 21.573, 180.202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 196, 184) }
```

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

```
.background{ background-color: rgb(137,  
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](#).

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