

Converting Colors

CIELCh(70, 24.978, 176.790)

Have a look what the booklet for
CIELCh(70, 24.978, 176.790)
contains.

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Color

CIELCh(70, 24.978, 176.790)

Conversions

Conversions Part 1

Format	Color
Hex	75B8A8
RGB	117, 184, 168
RGB Percent	46%, 72%, 66%
CMY	0.5422, 0.2795, 0.3422
CMYK	0.36, 0.00, 0.09, 0.28
HSL	166°, 32%, 59%
HSV	166°, 36%, 72%
XYZ	31.4281, 40.7494, 43.1254
YIQ	162.1430, -34.7960, -19.1800

Conversions

Conversions Part 2

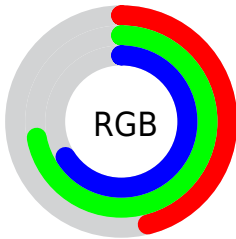
Format	Color
RYB	117, 155, 184
Decimal	7714984
CIELab	70.00, -24.94, 1.40
CIElCh	70, 24.978, 176.790
Yxy	40.7494, 0.2726, 0.3534
Android (android.graphics.Color)	4285905064 (0xFF75B8A8)
YUV	162.1430, 2.8875, -39.5904
Hunter-Lab	63.8353, -23.8306, 4.6299

Details

The CIELCh color **70, 24.978, 176.790** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **57, 28.579, 4.642**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 25.003, 176.998**, and **50, 25.258, 176.409** is the 20% darker color. If you saturate the color by 10%, you get **69, 30.932, 175.629**, and if you desaturate by 10%, it is **71, 18.536, 177.860**.

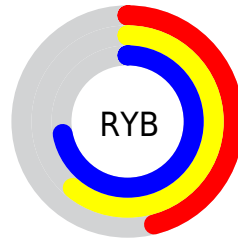
Distribution



Red (46%)

Green (72%)

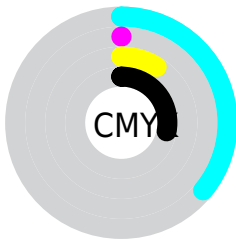
Blue (66%)



Red (46%)

Yellow (61%)

Blue (72%)

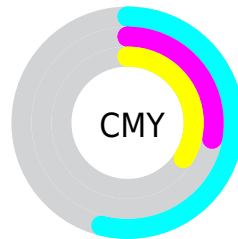


Cyan (36%)

Magenta (0%)

Yellow (9%)

Black (28%)



Cyan (54%)


Magenta (28%)


Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 24.978, 176.790 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 70, 24.978, 176.790 by changing the saturation by 10% instead.


 70, 24.978,
176.790


 70, 24.978,
176.790


 100, 24.978,
176.790


 60, 24.978,
176.790


 90, 24.978,
176.790

 50, 24.978,
176.790

 40, 24.978,
176.790

 30, 24.978,
176.790

 20, 24.978,
176.790

 10, 24.978,
176.790

 0, 24.978, 176.790

70, 24.978,
176.790

70, 24.978,
176.790

69, 30.932,
175.629

71, 18.536,
177.860

68, 36.281,
174.363

72, 11.724,
178.869

68, 40.926,
172.965

74, 4.654, 179.863

67, 44.805,
171.412

75, 2.572, 0.466

77, 9.871, 1.444

67, 47.906,
169.684

79, 17.176, 2.271

67, 50.295,
167.781

81, 24.433, 3.055

82, 28.472, 1.319

67, 51.070,
167.108

82, 29.154,
356.975

Harmonies

Complementary

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



70, 24.978, 176.790



57, 28.579, 4.642

Rectangle

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



70, 24.978, 176.790



70, 24.978, 226.790



70, 24.978, 356.790



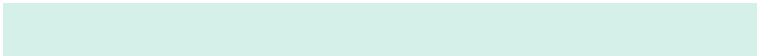
70, 24.978, 46.790

Sweetspot

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



70, 24.979, 176.788



93, 9.787, 179.387



70, 41.136, 135.433



49, 6.562, 179.255



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



70, 24.979, 176.788



88, 36.554, 175.836



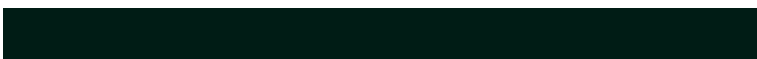
66, 18.647, 228.338



38, 4.067, 179.569



57, 44.985, 167.388



8, 11.932, 173.232

Inverse Universe

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



57, 28.579, 4.642



68, 43.215, 6.096



60, 23.800, 44.299



36, 4.201, 1.153



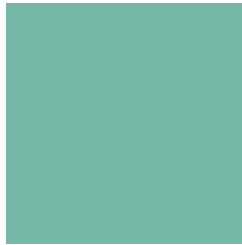
32, 62.312, 25.579



2, 11.011, 5.207

Previews

White Background



This preview shows how the CIELCh color 70, 24.978, 176.790 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 70, 24.978, 176.790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

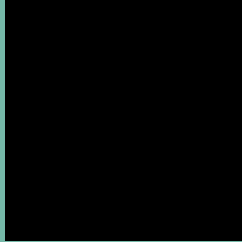
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 24.978, 176.790

Background



This preview shows how black text looks on a background with the CIELCh color 70, 24.978, 176.790.

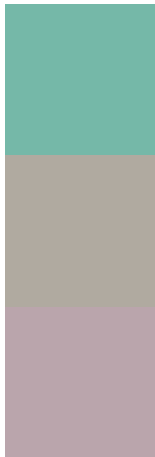


This preview shows how white text looks on a background with the CIELCh color 70, 24.978, 176.790.

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

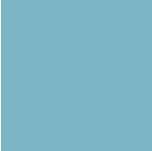
70, 24.978, 176.790

Protanopia

70, 5.918, 86.479

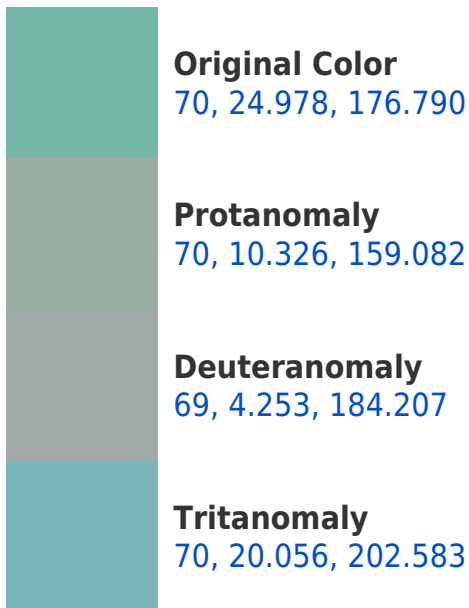
Deuteranopia

70, 8.886, 354.708

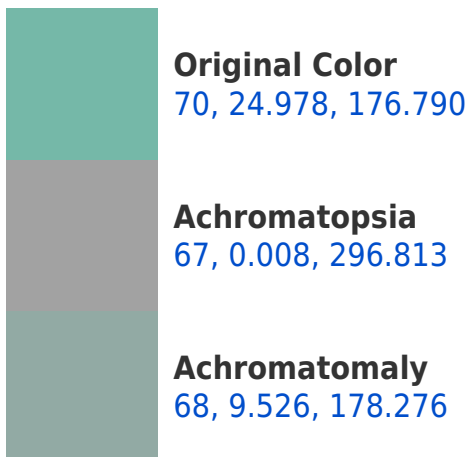


Tritanopia
70, 19.826, 221.005

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 24.978, 176.790 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(117, 184, 168)` looks like.

```
.text, #text, p{  
    color:rgb(117, 184, 168)  
}
```

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(117, 184, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 184, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 24.978, 176.790 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(117, 184, 168) }
```

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

```
.border{ border-color:rgb(117, 184, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 184, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 184, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 184, 168);  
box-shadow:4px 4px 4px 4px rgb(117, 184,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 24.978, 176.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 184, 168) }
```

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

```
.background{ background-color: rgb(117,  
184, 168) }
```

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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