

Converting Colors

CIELCh(72, 11.676, 178.205)

Have a look what the booklet for
CIELCh(72, 11.676, 178.205)
contains.

CIELCh(72, 11.825, 176.828)	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(72, 11.825, 176.828)

Conversions

Conversions Part 1

Format	Color
Hex	99B7AF
RGB	153, 183, 175
RGB Percent	60%, 72%, 69%
CMY	0.4005, 0.2829, 0.3143
CMYK	0.16, 0.00, 0.04, 0.28
HSL	164°, 17%, 66%
HSV	164°, 16%, 72%
XYZ	37.7409, 43.6590, 46.9249
YIQ	173.1180, -15.3120, -8.8480

Conversions

Conversions Part 2

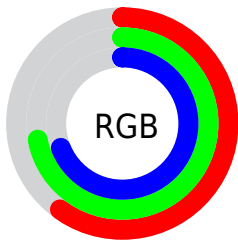
Format	Color
RYB	153, 170, 183
Decimal	10074031
CIELab	72.00, -11.81, 0.65
CIELCh	72, 11.825, 176.828
Yxy	43.6590, 0.2941, 0.3402
Android (android.graphics.Color)	4288264111 (0xFF99B7AF)
YUV	173.1180, 0.9278, -17.6435
Hunter-Lab	66.0750, -13.6750, 4.1461

Details

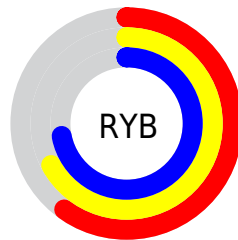
The CIELCh color $72, 11.825, 176.828$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $66, 12.462, 359.900$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $92, 11.828, 175.463$, and $52, 11.562, 177.590$ is the 20% darker color. If you saturate the color by 10%, you get $71, 18.757, 175.798$, and if you desaturate by 10%, it is $73, 4.661, 177.828$.

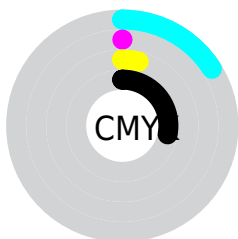
Distribution



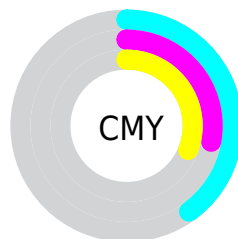
- Red (60%)
- Green (72%)
- Blue (69%)



- Red (60%)
- Yellow (67%)
- Blue (72%)



- Cyan (16%)
- Magenta (0%)
- Yellow (4%)
- Black (28%)





- Cyan (40%)
- Magenta (28%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 11.825, 176.828 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 72, 11.825, 176.828 by changing the saturation by 10% instead.


 72, 11.825,
176.828


 72, 11.825,
176.828


 100, 11.825,
176.828


 62, 11.825,
176.828


 92, 11.825,
176.828

 52, 11.825,
176.828

 42, 11.825,
176.828

 32, 11.825,
176.828

 22, 11.825,
176.828

 12, 11.825,
176.828

 2, 11.825, 176.828

0, 11.825, 176.828

72, 11.825,
176.828

72, 11.825,
176.828

71, 18.757,
175.798

73, 4.661, 177.828

70, 25.340,
174.700

75, 2.639, 358.447

69, 31.456,
173.507

77, 9.992, 359.419

68, 36.987,
172.196

78, 17.332, 0.243

67, 41.832,
170.743

80, 24.609, 1.020

67, 45.925,
169.125

82, 29.111,
359.450

82, 29.960,
354.796

■ 66, 49.249,
167.323

■ 82, 31.010,
350.445

■ 66, 51.868,
165.337

■ 82, 32.240,
346.421

■ 66, 52.739,
164.626

Harmonies

Complementary

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



72, 11.825, 176.828



66, 12.462, 359.900

Rectangle

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



72, 11.825, 176.828



72, 11.825, 226.828



72, 11.825, 356.828



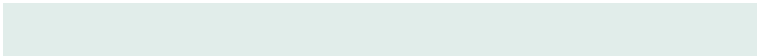
72, 11.825, 46.828

Sweetspot

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



72, 11.826, 176.823



93, 4.498, 177.974



72, 18.280, 135.535



50, 3.093, 177.895



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



72, 11.826, 176.823



90, 17.718, 176.427



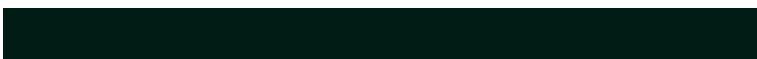
70, 9.006, 222.162



38, 4.128, 177.526



57, 46.603, 164.910



8, 12.184, 170.990

Inverse Universe

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



66, 12.462, 359.900



81, 18.917, 0.360



67, 9.988, 40.992



36, 4.252, 359.124



32, 61.350, 23.218



2, 11.097, 3.629

Previews

White Background



This preview shows how the CIELCh color 72, 11.825, 176.828 looks on a white background.

Color Contrast Check

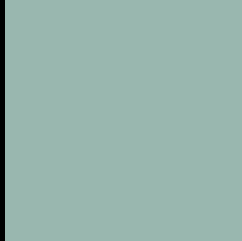
Large Text (above 18pt) WCAG AA × Fail

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 72, 11.825, 176.828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

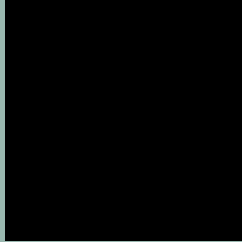
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

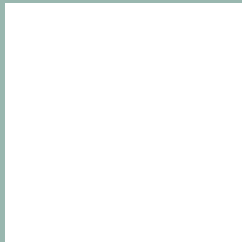
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 11.825, 176.828

Background



This preview shows how black text looks on a background with the CIELCh color 72, 11.825, 176.828.



This preview shows how white text looks on a background with the CIELCh color 72, 11.825, 176.828.

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
72, 11.825, 176.828

Protanopia
72, 2.869, 68.486

Deuteranopia
72, 8.620, 357.950



Tritanopia
72, 11.144, 242.283

Trichromacy



Original Color
72, 11.825, 176.828

Protanomaly
72, 4.455, 152.116

Deuteranomaly
72, 1.260, 353.504

Tritanomaly
72, 9.682, 218.561

Monochromacy



Original Color
72, 11.825, 176.828

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 4.419, 177.419

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 11.825, 176.828 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(153, 183, 175)` looks like.

```
.text, #text, p{  
    color:rgb(153, 183, 175)  
}
```

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(153, 183, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 183, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 11.825, 176.828 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(153, 183, 175) }
```

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

```
.border{ border-color:rgb(153, 183, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 183, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 183, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 183, 175);  
box-shadow:4px 4px 4px 4px rgb(153, 183,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 11.825, 176.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 183, 175) }
```

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

```
.background{ background-color: rgb(153,  
183, 175) }
```

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