

Converting Colors

CIELCh(72, 12.716, 200.246)

Have a look what the booklet for
CIELCh(72, 12.716, 200.246)
contains.

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Color

CIELCh(72, 12.669, 200.909)

Conversions

Conversions Part 1

Format	Color
Hex	93B7B8
RGB	147, 183, 184
RGB Percent	58%, 72%, 72%
CMY	0.4226, 0.2814, 0.2775
CMYK	0.20, 0.01, 0.00, 0.28
HSL	182°, 21%, 65%
HSV	182°, 20%, 72%
XYZ	37.7324, 43.6590, 51.9150
YIQ	172.3500, -21.7770, -7.3210

Conversions

Conversions Part 2

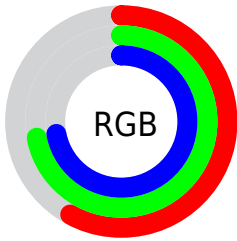
Format	Color
R_{YB}	147, 165, 184
Decimal	9680824
CIE _{Lab}	72.00, -11.83, -4.52
CIE _{LCh}	72, 12.669, 200.909
Yxy	43.6590, 0.2830, 0.3275
Android (android.graphics.Color)	4287870904 (0xFF93B7B8)
YUV	172.3500, 5.7435, -22.2319
Hunter-Lab	66.0750, -13.6981, -0.3316

Details

The CIELCh color **72, 12.669, 200.909** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **65, 14.463, 22.936**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 12.542, 201.006**, and **52, 12.815, 200.743** is the 20% darker color. If you saturate the color by 10%, you get **71, 18.316, 200.551**, and if you desaturate by 10%, it is **73, 6.549, 201.340**.

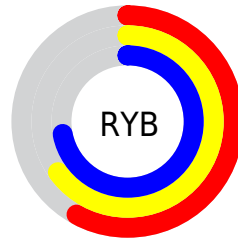
Distribution



Red (58%)

Green (72%)

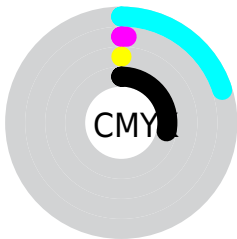
Blue (72%)



Red (58%)

Yellow (65%)

Blue (72%)

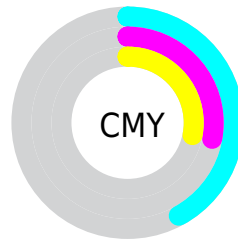


Cyan (20%)

Magenta (1%)

Yellow (0%)

Black (28%)



Cyan (42%)


Magenta (28%)


Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 12.669, 200.909 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, 12.669, 200.909 by changing the saturation by 10% instead.


 72, 12.669,
200.909


 72, 12.669,
200.909


 100, 12.669,
200.909


 62, 12.669,
200.909


 92, 12.669,
200.909

 52, 12.669,
200.909

 42, 12.669,
200.909

 32, 12.669,
200.909

 22, 12.669,
200.909

 12, 12.669,
200.909

 2, 12.669, 200.909

0, 12.669, 200.909

72, 12.669,
200.909

72, 12.669,
200.909

71, 18.316,
200.551

73, 6.549, 201.340

70, 23.382,
200.278

75, 0.057, 210.959

76, 6.715, 22.119

69, 27.767,
200.091

78, 13.683, 22.674

68, 31.385,
200.000

80, 20.780, 23.224

82, 26.842, 23.778

67, 34.179,
200.012

82, 26.670, 24.322

67, 36.132,
200.136

82, 26.501, 24.874

■ 67, 37.281,
200.373

■ 82, 26.334, 25.433

■ 66, 37.814,
200.701

Harmonies

Complementary

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



72, 12.669, 200.909



65, 14.463, 22.936

Rectangle

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



72, 12.669, 200.909



72, 12.669, 250.909



72, 12.669, 20.909



72, 12.669, 70.909

Sweetspot

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



72, 12.670, 200.903



94, 4.873, 201.564



71, 24.371, 143.611



50, 3.225, 201.524



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, 12.670, 200.903



91, 18.479, 200.742



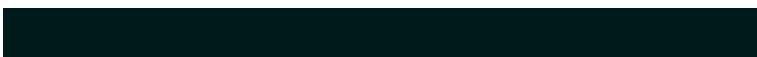
67, 12.122, 260.094



38, 3.675, 201.379



57, 33.385, 200.643



8, 10.074, 201.425

Inverse Universe

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



65, 24.222, 326.260



81, 35.849, 326.497



69, 12.704, 74.695



36, 6.785, 325.656



36, 78.243, 329.317



3, 18.318, 325.762

Previews

White Background



This preview shows how the CIELCh color 72, 12.669, 200.909 looks on a white background.

Color Contrast Check

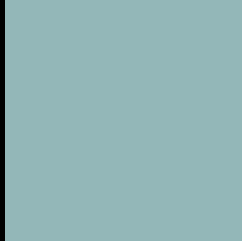
Large Text (above 18pt) WCAG AA × Fail

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 72, 12.669, 200.909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

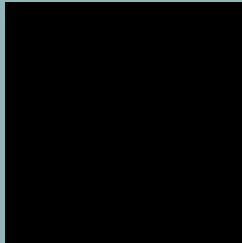
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 72, 12.669, 200.909

Background



This preview shows how black text looks on a background with the CIELCh color 72, 12.669, 200.909.

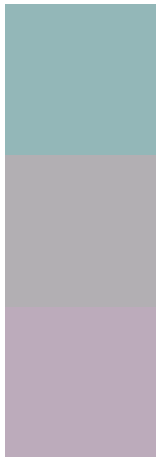


This preview shows how white text looks on a background with the CIELCh color 72, 12.669, 200.909.

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, 12.669, 200.909

Protanopia
72, 2.468, 317.316

Deuteranopia
72, 10.800, 326.540



Tritanopia
72, 13.194, 237.205

Trichromacy



Original Color
72, 12.669, 200.909

Protanomaly
72, 4.311, 221.522

Deuteranomaly
72, 6.032, 283.844

Tritanomaly
72, 12.495, 224.586

Monochromacy



Original Color
72, 12.669, 200.909

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 4.776, 199.113

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 12.669, 200.909 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(147, 183, 184)` looks like.

```
.text, #text, p{  
    color:rgb(147, 183, 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(147, 183, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 183, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 12.669, 200.909 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(147, 183, 184) }
```

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

```
.border{ border-color:rgb(147, 183, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 183, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 183, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 183, 184);  
box-shadow:4px 4px 4px 4px rgb(147, 183,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 12.669, 200.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 183, 184) }
```

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

```
.background{ background-color: rgb(147,  
183, 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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