

Converting Colors

CIELCh(70, 23.033, 163.765)

Have a look what the booklet for
CIELCh(70, 23.033, 163.765)
contains.

CIELCh(70, 22.890, 164.198)	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(70, 22.890, 164.198)

Conversions

Conversions Part 1

Format	Color
Hex	82B69F
RGB	130, 182, 159
RGB Percent	51%, 71%, 62%
CMY	0.4899, 0.2859, 0.3761
CMYK	0.29, 0.00, 0.13, 0.29
HSL	153°, 26%, 61%
HSV	153°, 29%, 71%
XYZ	32.2294, 40.7494, 39.0055
YIQ	163.8300, -23.6090, -18.1770

Conversions

Conversions Part 2

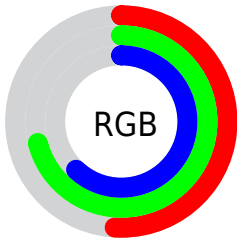
Format	Color
RYB	130, 163, 182
Decimal	8566431
CIELab	70.00, -22.02, 6.23
CIELCh	70, 22.890, 164.198
Yxy	40.7494, 0.2878, 0.3639
Android (android.graphics.Color)	4286756511 (0xFF82B69F)
YUV	163.8300, -2.3812, -29.6689
Hunter-Lab	63.8353, -21.5899, 8.4565

Details

The CIELCh color **70, 22.890, 164.198** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **60, 23.973, 349.648**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 22.743, 164.660**, and **50, 22.778, 164.443** is the 20% darker color. If you saturate the color by 10%, you get **69, 30.537, 163.044**, and if you desaturate by 10%, it is **71, 14.981, 165.237**.

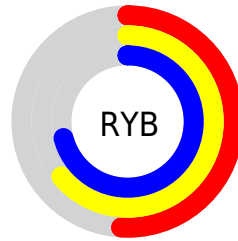
Distribution



Red (51%)

Green (71%)

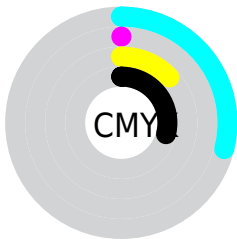
Blue (62%)



Red (51%)

Yellow (64%)

Blue (71%)

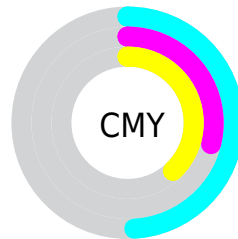


Cyan (29%)

Magenta (0%)

Yellow (13%)

Black (29%)



Cyan (49%)


Magenta (29%)


Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 22.890, 164.198 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, 22.890, 164.198 by changing the saturation by 10% instead.

 70, 22.890,
164.198

 70, 22.890,
164.198

 100, 22.890,
164.198


 60, 22.890,
164.198

 90, 22.890,
164.198

 50, 22.890,
164.198

 40, 22.890,
164.198

 30, 22.890,
164.198

 20, 22.890,
164.198

 10, 22.890,
164.198

 0, 22.890, 164.198

70, 22.890,
164.198

70, 22.890,
164.198

69, 30.537,
163.044

71, 14.981,
165.237

68, 37.785,
161.755

73, 6.926, 166.201

74, 1.171, 346.656

67, 44.504,
160.303

76, 9.229, 347.736

66, 50.575,
158.665

78, 17.184,
348.483

66, 55.917,
156.823

80, 24.991,
349.169

66, 60.500,
154.772


82, 31.840,
348.786

65, 64.427,
152.567

82, 34.061,
342.604

65, 64.975,

152.261

 82, 36.658,
337.293

Harmonies

Complementary

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



70, 22.890, 164.198



60, 23.973, 349.648

Rectangle

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



70, 22.890, 164.198



70, 22.890, 214.198



70, 22.890, 344.198



70, 22.890, 34.198

Sweetspot

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



70, 22.891, 164.196



92, 9.026, 166.144



71, 30.261, 129.511



49, 6.323, 166.006



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, 22.891, 164.196



88, 33.556, 163.519



70, 16.932, 202.942



38, 4.615, 166.126



56, 57.497, 152.568



8, 13.884, 160.181

Inverse Universe

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



60, 23.973, 349.648



73, 35.474, 350.381



60, 20.617, 25.530



36, 4.689, 347.640



33, 58.360, 6.843



2, 11.846, 354.064

Previews

White Background



This preview shows how the CIELCh color 70, 22.890, 164.198 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 70, 22.890, 164.198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

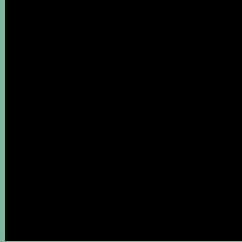
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 22.890, 164.198

Background



This preview shows how black text looks on a background with the CIELCh color 70, 22.890, 164.198.



This preview shows how white text looks on a background with the CIELCh color 70, 22.890, 164.198.

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

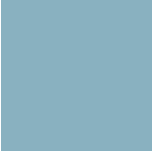
70, 22.890, 164.198

Protanopia

70, 9.785, 90.433

Deuteranopia

70, 9.813, 26.565



Tritanopia
70, 15.558, 230.578

Trichromacy



Original Color
70, 22.890, 164.198

Protanomaly
70, 11.554, 134.783

Deuteranomaly
70, 5.057, 122.782

Tritanomaly
70, 15.612, 200.196

Monochromacy



Original Color
70, 22.890, 164.198

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 8.733, 164.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 22.890, 164.198 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(130, 182, 159)` looks like.

```
.text, #text, p{  
    color:rgb(130, 182, 159)  
}
```

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(130, 182, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 182, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 22.890, 164.198 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(130, 182, 159) }
```

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

```
.border{ border-color:rgb(130, 182, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 182, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 182, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 182, 159);  
box-shadow:4px 4px 4px 4px rgb(130, 182,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 22.890, 164.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 182, 159) }
```

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

```
.background{ background-color: rgb(130,  
182, 159) }
```

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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