

Converting Colors

CIELCh(70, 29.729, 156.884)

Have a look what the booklet for
CIELCh(70, 29.729, 156.884)
contains.

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Color

CIELCh(70, 29.609, 156.919)

Conversions

Conversions Part 1

Format	Color
Hex	7BB895
RGB	123, 184, 149
RGB Percent	48%, 72%, 58%
CMY	0.5170, 0.2778, 0.4150
CMYK	0.33, 0.00, 0.19, 0.28
HSL	146°, 30%, 60%
HSV	146°, 33%, 72%
XYZ	30.8051, 40.7494, 34.7434
YIQ	161.7710, -25.1210, -23.8170

Conversions

Conversions Part 2

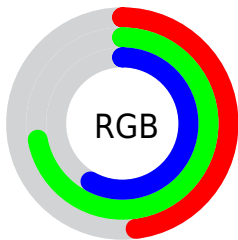
Format	Color
RYB	123, 166, 184
Decimal	8108181
CIELab	70.00, -27.24, 11.61
CIElCh	70, 29.609, 156.919
Yxy	40.7494, 0.2898, 0.3834
Android (android.graphics.Color)	4286298261 (0xFF7BB895)
YUV	161.7710, -6.2961, -34.0022
Hunter-Lab	63.8353, -25.5728, 12.4151

Details

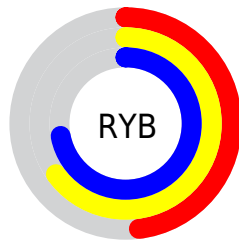
The CIELCh color **70, 29.609, 156.919** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **59, 30.407, 342.709**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 29.513, 156.970**, and **50, 30.033, 156.694** is the 20% darker color. If you saturate the color by 10%, you get **69, 38.163, 155.753**, and if you desaturate by 10%, it is **71, 20.776, 157.947**.

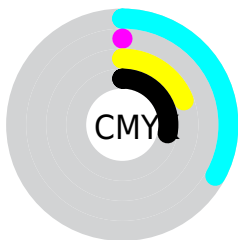
Distribution



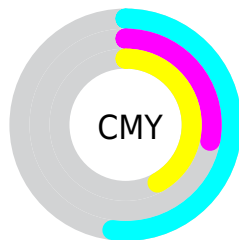
- Red (48%)
- Green (72%)
- Blue (58%)



- Red (48%)
- Yellow (65%)
- Blue (72%)



- Cyan (33%)
- Magenta (0%)
- Yellow (19%)
- Black (28%)





- Cyan (52%)
- Magenta (28%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 29.609, 156.919 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, 29.609, 156.919 by changing the saturation by 10% instead.


 70, 29.609,
156.919


 70, 29.609,
156.919


 100, 29.609,
156.919


 60, 29.609,
156.919


 90, 29.609,
156.919

 50, 29.609,
156.919

 40, 29.609,
156.919

 30, 29.609,
156.919

 20, 29.609,
156.919

 10, 29.609,
156.919

 0, 29.609, 156.919

70, 29.609,
156.919

70, 29.609,
156.919

69, 38.163,
155.753

71, 20.776,
157.947

68, 46.280,
154.425

73, 11.798,
158.865

67, 53.810,
152.913

74, 2.797, 159.769

67, 60.619,
151.202

76, 6.135, 340.307

66, 66.616,
149.286

78, 14.925,
340.996

66, 71.773,
147.189

80, 23.524,
341.601

66, 74.942,
145.736

82, 31.898,
342.153

83, 36.120,
336.325

■ 83, 40.041,
330.593

Harmonies

Complementary

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



70, 29.609, 156.919



59, 30.407, 342.709

Rectangle

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



70, 29.609, 156.919



70, 29.609, 206.919



70, 29.609, 336.919



70, 29.609, 26.919

Sweetspot

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



70, 29.610, 156.918



93, 11.127, 159.122



72, 34.206, 124.471



49, 7.590, 159.001



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, 29.610, 156.918



88, 43.979, 156.053



71, 21.039, 190.096



38, 5.075, 159.194



56, 65.701, 146.051



8, 15.122, 154.877

Inverse Universe

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



59, 30.407, 342.709



71, 45.338, 343.508



58, 25.442, 15.924



36, 5.121, 340.552



33, 59.896, 354.693



3, 12.778, 346.526

Previews

White Background



This preview shows how the CIELCh color 70, 29.609, 156.919 looks on a white background.

Color Contrast Check

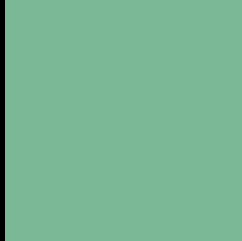
Large Text (above 18pt) WCAG AA × Fail

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, 29.609, 156.919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

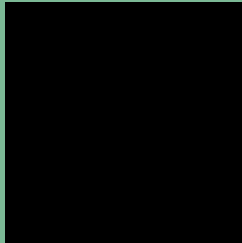
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 29.609, 156.919

Background



This preview shows how black text looks on a background with the CIELCh color 70, 29.609, 156.919.



This preview shows how white text looks on a background with the CIELCh color 70, 29.609, 156.919.

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, 29.609, 156.919

Protanopia

70, 15.780, 93.798

Deuteranopia

70, 13.096, 47.397



Tritanopia
70, 17.126, 227.216

Trichromacy



Original Color
70, 29.609, 156.919

Protanomaly
70, 17.529, 129.481

Deuteranomaly
69, 10.442, 115.567

Tritanomaly
70, 17.795, 192.642

Monochromacy



Original Color
70, 29.609, 156.919

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 11.037, 158.084

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 29.609, 156.919 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(123, 184, 149)` looks like.

```
.text, #text, p{  
    color:rgb(123, 184, 149)  
}
```

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(123, 184, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 184, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 29.609, 156.919 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(123, 184, 149) }
```

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

```
.border{ border-color:rgb(123, 184, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 184, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 184, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 184, 149);  
box-shadow:4px 4px 4px 4px rgb(123, 184,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 29.609, 156.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 184, 149) }
```

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

```
.background{ background-color: rgb(123,  
184, 149) }
```

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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