

Converting Colors

CIELCh(69, 22.742, 156.260)

Have a look what the booklet for
CIELCh(69, 22.742, 156.260)
contains.

CIELCh(69, 23.155, 156.106)	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(69, 23.155, 156.106)

Conversions

Conversions Part 1

Format	Color
Hex	85B397
RGB	133, 179, 151
RGB Percent	52%, 70%, 59%
CMY	0.4793, 0.2989, 0.4087
CMYK	0.26, 0.00, 0.16, 0.30
HSL	143°, 23%, 61%
HSV	143°, 26%, 70%
XYZ	31.2805, 39.3444, 35.1297
YIQ	162.0540, -18.4280, -18.4600

Conversions

Conversions Part 2

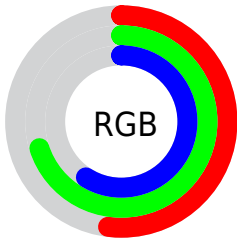
Format	Color
RYB	133, 166, 179
Decimal	8762263
CIELab	69.00, -21.17, 9.38
CIElCh	69, 23.155, 156.106
Yxy	39.3444, 0.2958, 0.3720
Android (android.graphics.Color)	4286952343 (0xFF85B397)
YUV	162.0540, -5.4496, -25.4804
Hunter-Lab	62.7251, -20.7524, 10.7017

Details

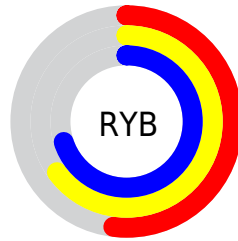
The CIELCh color **69, 23.155, 156.106** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **61, 23.566, 340.250**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 23.272, 155.850**, and **49, 23.192, 156.060** is the 20% darker color. If you saturate the color by 10%, you get **68, 31.983, 155.065**, and if you desaturate by 10%, it is **70, 14.168, 157.026**.

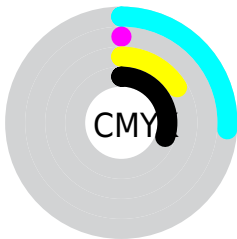
Distribution



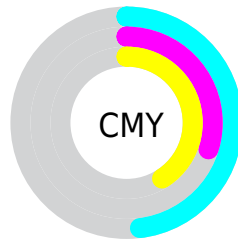
- Red (52%)
- Green (70%)
- Blue (59%)



- Red (52%)
- Yellow (65%)
- Blue (70%)



- Cyan (26%)
- Magenta (0%)
- Yellow (16%)
- Black (30%)





- Cyan (48%)
- Magenta (30%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 23.155, 156.106 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 69, 23.155, 156.106 by changing the saturation by 10% instead.


 69, 23.155,
156.106


 69, 23.155,
156.106


 100, 23.155,
156.106


 59, 23.155,
156.106


 89, 23.155,
156.106

 49, 23.155,
156.106

 99, 23.155,
156.106

 39, 23.155,
156.106

 29, 23.155,
156.106

 19, 23.155,
156.106

 9, 23.155, 156.106

 0, 23.155, 156.106

69, 23.155,
156.106

69, 23.155,
156.106

68, 31.983,
155.065

70, 14.168,
157.026

67, 40.504,
153.880

72, 5.141, 157.874

66, 48.562,
152.526

74, 3.826, 338.438

65, 56.003,
150.985

75, 12.656,
339.144

65, 62.697,
149.245

77, 21.297,
339.739

64, 68.556,
147.312

79, 29.712,
340.275


64, 73.561,
145.227

81, 37.131,
339.555

64, 75.531,

82, 40.925,
333.422

144.369

 82, 45.142,
328.478

Harmonies

Complementary

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



69, 23.155, 156.106



61, 23.566, 340.250

Rectangle

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



69, 23.155, 156.106



69, 23.155, 206.106



69, 23.155, 336.106



69, 23.155, 26.106

Sweetspot

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



69, 23.156, 156.105



90, 8.890, 157.669



70, 25.829, 123.585



48, 6.373, 157.543



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



69, 23.156, 156.105



86, 34.405, 155.518



70, 16.551, 187.771



37, 5.087, 157.570



55, 66.909, 144.659



7, 13.131, 154.380

Inverse Universe

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



61, 23.566, 340.250



74, 35.123, 340.777



60, 18.889, 12.334



35, 5.127, 338.879



33, 60.079, 351.674



2, 11.373, 343.787

Previews

White Background



This preview shows how the CIELCh color 69, 23.155, 156.106 looks on a white background.

Color Contrast Check

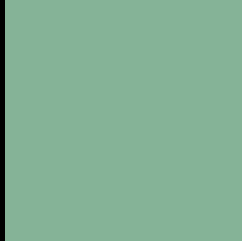
Large Text (above 18pt) WCAG AA × Fail

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 69, 23.155, 156.106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

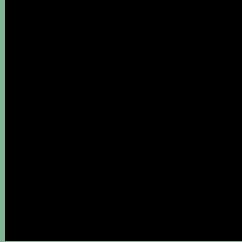
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 23.155, 156.106

Background



This preview shows how black text looks on a background with the CIELCh color 69, 23.155, 156.106.



This preview shows how white text looks on a background with the CIELCh color 69, 23.155, 156.106.

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](#).

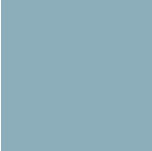
Dichromacy



Original Color
69, 23.155, 156.106

Protanopia
69, 12.557, 92.263

Deuteranopia
69, 11.615, 42.271



Tritanopia
69, 13.501, 230.709

Trichromacy



Original Color
69, 23.155, 156.106

Protanomaly
69, 13.833, 126.965

Deuteranomaly
69, 8.215, 106.603

Tritanomaly
69, 13.903, 193.725

Monochromacy



Original Color
69, 23.155, 156.106

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 8.524, 158.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 23.155, 156.106 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(133, 179, 151)` looks like.

```
.text, #text, p{  
    color:rgb(133, 179, 151)  
}
```

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(133, 179, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 179, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 23.155, 156.106 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(133, 179, 151) }
```

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

```
.border{ border-color:rgb(133, 179, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 179, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 179, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 179, 151);  
box-shadow:4px 4px 4px 4px rgb(133, 179,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 23.155, 156.106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 179, 151) }
```

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

```
.background{ background-color: rgb(133,  
179, 151) }
```

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