

Converting Colors

CIELCh(71, 38.999, 163.476)

Have a look what the booklet for
CIELCh(71, 38.999, 163.476)
contains.

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Color

CIELCh(71, 39.034, 163.416)

Conversions

Conversions Part 1

Format	Color
Hex	60BF98
RGB	96, 191, 152
RGB Percent	38%, 75%, 60%
CMY	0.6222, 0.2497, 0.4027
CMYK	0.50, 0.00, 0.20, 0.25
HSL	155°, 43%, 56%
HSV	155°, 50%, 75%
XYZ	29.2547, 42.1875, 36.4411
YIQ	158.1490, -44.1010, -32.2690

Conversions

Conversions Part 2

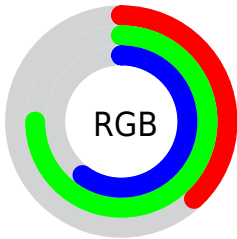
Format	Color
RYB	96, 156, 191
Decimal	6340504
CIELab	71.00, -37.41, 11.14
CIElCh	71, 39.034, 163.416
Yxy	42.1875, 0.2712, 0.3910
Android (android.graphics.Color)	4284530584 (0xFF60BF98)
YUV	158.1490, -3.0315, -54.5047
Hunter-Lab	64.9519, -33.2684, 12.2019

Details

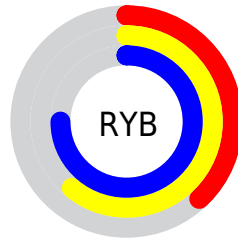
The CIELCh color **71, 39.034, 163.416** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **53, 42.668, 354.693**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 39.192, 163.210**, and **51, 39.136, 163.338** is the 20% darker color. If you saturate the color by 10%, you get **70, 45.691, 161.939**, and if you desaturate by 10%, it is **72, 31.799, 164.729**.

Distribution



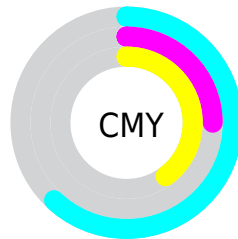
- Red (38%)
- Green (75%)
- Blue (60%)



- Red (38%)
- Yellow (61%)
- Blue (75%)



- Cyan (50%)
- Magenta (0%)
- Yellow (20%)
- Black (25%)





- Cyan (62%)
- Magenta (25%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 39.034, 163.416 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 71, 39.034, 163.416 by changing the saturation by 10% instead.


 71, 39.034,
163.416


 71, 39.034,
163.416


 100, 39.034,
163.416


 61, 39.034,
163.416


 91, 39.034,
163.416

 51, 39.034,
163.416

 41, 39.034,
163.416

 31, 39.034,
163.416

 21, 39.034,
163.416

 11, 39.034,
163.416

 1, 39.034, 163.416

0, 39.034, 163.416

71, 39.034,
163.416

71, 39.034,
163.416

70, 45.691,
161.939

72, 31.799,
164.729

70, 51.652,
160.278

73, 24.118,
165.906

69, 56.843,
158.412

74, 16.128,
166.972

69, 61.252,
156.336

76, 7.954, 167.960

68, 65.023,
154.122

78, 0.294, 347.346

79, 8.528, 349.550

68, 65.152,
154.047

81, 16.678,
350.331

■ 83, 24.694,
351.048

■ 84, 28.414,
346.037

Harmonies

Complementary

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



71, 39.034, 163.416



53, 42.668, 354.693

Rectangle

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



71, 39.034, 163.416



71, 39.034, 213.416



71, 39.034, 343.416



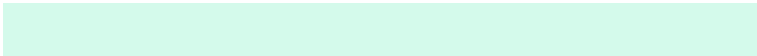
71, 39.034, 33.416

Sweetspot

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



71, 39.035, 163.415



95, 15.329, 167.414



72, 54.463, 129.636



50, 10.445, 167.202



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



71, 39.035, 163.415



89, 56.864, 161.730



70, 26.915, 206.760



40, 4.721, 167.986



58, 56.892, 154.374



10, 17.235, 160.769

Inverse Universe

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



53, 42.668, 354.693



63, 62.841, 356.921



54, 39.302, 30.533



38, 4.807, 349.544



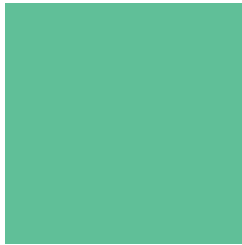
34, 59.884, 10.027



3, 15.165, 357.555

Previews

White Background



This preview shows how the CIELCh color 71, 39.034, 163.416 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 71, 39.034, 163.416 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 71, 39.034, 163.416

Background



This preview shows how black text looks on a background with the CIELCh color 71, 39.034, 163.416.

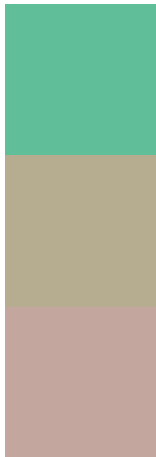


This preview shows how white text looks on a background with the CIELCh color 71, 39.034, 163.416.

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
71, 39.034, 163.416

Protanopia
70, 16.272, 94.231

Deuteranopia
71, 12.150, 43.886



Tritanopia
71, 24.392, 217.545

Trichromacy



Original Color
71, 39.034, 163.416



Protanomaly
70, 21.033, 139.306



Deuteranomaly
70, 12.757, 139.747



Tritanomaly
71, 26.618, 192.579

Monochromacy



Original Color
71, 39.034, 163.416



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 14.917, 166.892

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 39.034, 163.416 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(96, 191, 152)` looks like.

```
.text, #text, p{  
    color:rgb(96, 191, 152)  
}
```

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(96, 191, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 191, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 39.034, 163.416 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(96, 191, 152) }
```

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

```
.border{ border-color:rgb(96, 191, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 191, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 191, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 191, 152);  
box-shadow:4px 4px 4px 4px rgb(96, 191,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 39.034, 163.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 191, 152) }
```

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

```
.background{ background-color: rgb(96, 191,  
152) }
```

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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