

Converting Colors

CIELCh(71, 1.825, 236.507)

Have a look what the booklet for
CIELCh(71, 1.825, 236.507) contains.

CIELCh(71, 1.832, 236.216)	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(71, 1.832, 236.216)

Conversions

Conversions Part 1

Format	Color
Hex	AAAEB0
RGB	170, 174, 176
RGB Percent	67%, 68%, 69%
CMY	0.3316, 0.3159, 0.3081
CMYK	0.03, 0.01, 0.00, 0.31
HSL	200°, 4%, 68%
HSV	200°, 3%, 69%
XYZ	39.7721, 42.1875, 47.3481
YIQ	173.0320, -3.0260, -0.2260

Conversions

Conversions Part 2

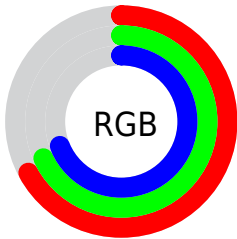
Format	Color
RYB	170, 172, 176
Decimal	11185840
CIELab	71.00, -1.02, -1.52
CIELCh	71, 1.832, 236.216
Yxy	42.1875, 0.3076, 0.3263
Android (android.graphics.Color)	4289375920 (0xFFAAAE0)
YUV	173.0320, 1.4632, -2.6591
Hunter-Lab	64.9519, -4.3648, 2.2456

Details

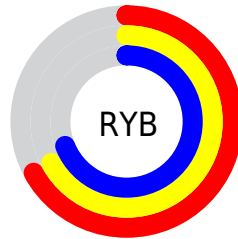
The CIELCh color $71, 1.832, 236.216$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $71, 1.854, 55.134$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 2.089, 247.874$, and $51, 1.948, 236.261$ is the 20% darker color. If you saturate the color by 10%, you get $68, 7.080, 236.925$, and if you desaturate by 10%, it is $74, 3.592, 55.025$.

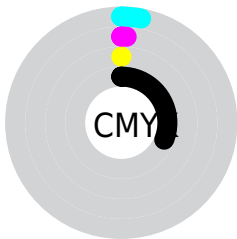
Distribution



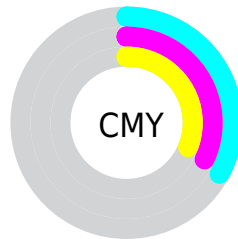
- Red (67%)
- Green (68%)
- Blue (69%)



- Red (67%)
- Yellow (67%)
- Blue (69%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (31%)



- Cyan (33%)
- Magenta (32%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 1.832, 236.216 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, 1.832, 236.216 by changing the saturation by 10% instead.

■ 71, 1.832, 236.216

■ 71, 1.832, 236.216

■ 100, 1.832,
236.216

■ 61, 1.832, 236.216

■ 91, 1.832, 236.216

■ 51, 1.832, 236.216

■ 41, 1.832, 236.216

■ 31, 1.832, 236.216

■ 21, 1.832, 236.216

■ 11, 1.832, 236.216

■ 1, 1.832, 236.216

■ 0, 1.832, 236.216

■ 71, 1.832, 236.216

■ 71, 1.832, 236.216

68, 7.080, 236.925

74, 3.592, 55.025

65, 12.101,
238.080

77, 9.150, 54.482

63, 16.841,
239.542

80, 14.803, 53.998

83, 20.522, 53.596

60, 21.246,
241.371

86, 25.041, 55.041

57, 25.267,
243.644

87, 25.148, 63.313

89, 25.780, 71.325

55, 28.874,
246.447

90, 26.897, 78.783

53, 32.071,
249.856

91, 28.435, 85.505

50, 34.908,
253.914

48, 37.494,
258.594

Harmonies

Complementary

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



71, 1.832, 236.216



71, 1.854, 55.134

Rectangle

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



71, 1.832, 236.216



71, 1.832, 286.216



71, 1.832, 56.216



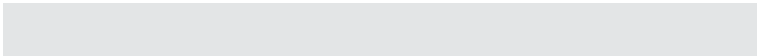
71, 1.832, 106.216

Sweetspot

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



71, 1.832, 236.156



91, 0.673, 236.519



71, 3.184, 154.835



48, 0.382, 236.560



96, 0.011, 296.813



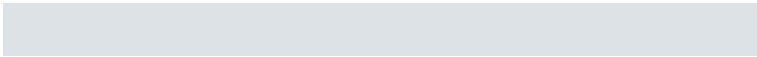
48, 0.006, 296.813

Same Dimension

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



71, 1.832, 236.156



90, 2.664, 236.173



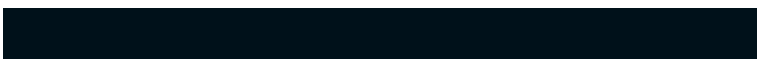
70, 2.712, 281.813



37, 1.535, 236.199



41, 35.055, 261.163



4, 7.722, 248.649

Inverse Universe

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



70, 3.165, 335.778



89, 4.611, 335.841



72, 2.686, 100.965



37, 2.662, 335.893



33, 61.965, 347.005



2, 11.884, 340.561

Previews

White Background



This preview shows how the CIE LCh color 71, 1.832, 236.216 looks on a white background.

Color Contrast Check

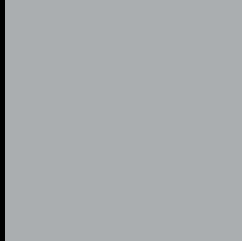
Large Text (above 18pt) WCAG AA × Fail

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, 1.832, 236.216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

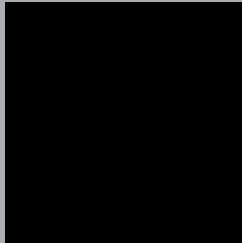
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

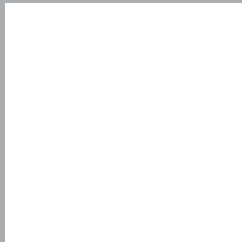
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 1.832, 236.216

Background



This preview shows how black text looks on a background with the CIELCh color 71, 1.832, 236.216.



This preview shows how white text looks on a background with the CIELCh color 71, 1.832, 236.216.

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, 1.832, 236.216

Protanopia

71, 1.583, 335.582

Deuteranopia

71, 9.645, 345.862



Tritanopia
71, 7.652, 288.223

Trichromacy



Original Color
71, 1.832, 236.216

Protanomaly
71, 1.099, 290.339

Deuteranomaly
71, 5.941, 339.857

Tritanomaly
71, 5.018, 278.052

Monochromacy



Original Color
71, 1.832, 236.216

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 0.747, 200.009

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 1.832, 236.216 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(170, 174, 176)` looks like.

```
.text, #text, p{  
    color:rgb(170, 174, 176)  
}
```

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(170, 174, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 174, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 1.832, 236.216 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(170, 174, 176) }
```

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

```
.border{ border-color:rgb(170, 174, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 174, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 174, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 174, 176);  
box-shadow:4px 4px 4px 4px rgb(170, 174,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 1.832, 236.216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 174, 176) }
```

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

```
.background{ background-color: rgb(170,  
174, 176) }
```

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