

Converting Colors

CIELCh(71, 1.708, 290.169)

Have a look what the booklet for
CIELCh(71, 1.708, 290.169) contains.

CIELCh(71, 1.644, 290.375)	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, 1.644, 290.375)

Conversions

Conversions Part 1

Format	Color
Hex	AEAEB1
RGB	174, 174, 177
RGB Percent	68%, 68%, 69%
CMY	0.3195, 0.3195, 0.3078
CMYK	0.02, 0.02, 0.00, 0.31
HSL	240°, 2%, 69%
HSV	240°, 2%, 69%
XYZ	40.2818, 42.1875, 47.3655
YIQ	174.3420, -0.9630, 0.9330

Conversions

Conversions Part 2

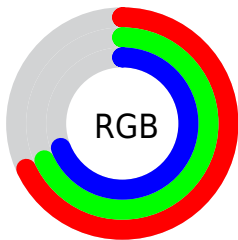
Format	Color
RYB	174, 174, 177
Decimal	11447985
CIELab	71.00, 0.57, -1.54
CIELCh	71, 1.644, 290.375
Yxy	42.1875, 0.3103, 0.3249
Android (android.graphics.Color)	4289638065 (0xFFFAEAEB1)
YUV	174.3420, 1.3104, -0.2999
Hunter-Lab	64.9519, -2.9638, 2.2298

Details

The CIELCh color $71, 1.644, 290.375$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $72, 1.619, 109.943$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 2.082, 290.379$, and $51, 1.170, 290.365$ is the 20% darker color. If you saturate the color by 10%, you get $65, 11.484, 291.355$, and if you desaturate by 10%, it is $77, 7.823, 109.401$.

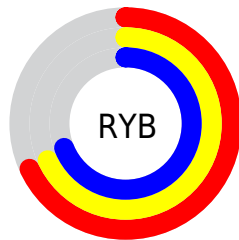
Distribution



Red (68%)

Green (68%)

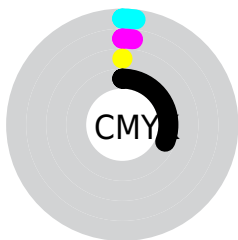
Blue (69%)



Red (68%)

Yellow (68%)

Blue (69%)

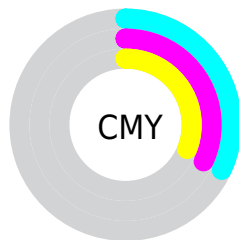


Cyan (2%)

Magenta (2%)

Yellow (0%)

Black (31%)



Cyan (32%)

Magenta (32%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 1.644, 290.375 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, 1.644, 290.375 by changing the saturation by 10% instead.

■ 71, 1.644, 290.375

■ 71, 1.644, 290.375

100, 1.644,
290.375

■ 61, 1.644, 290.375

■ 91, 1.644, 290.375

■ 51, 1.644, 290.375

■ 41, 1.644, 290.375

■ 31, 1.644, 290.375

■ 21, 1.644, 290.375

■ 11, 1.644, 290.375

■ 1, 1.644, 290.375

■ 0, 1.644, 290.375

■ 71, 1.644, 290.375

■ 71, 1.644, 290.375

65, 11.484,
291.355

77, 7.823, 109.401

59, 21.732,
292.589

83, 16.940,
108.645

53, 32.418,
294.040

89, 25.734,
107.996

47, 43.560,
295.732

95, 34.228,
107.438

41, 55.134,
297.664

98, 39.351,
107.175

35, 66.992,
299.793

30, 78.696,
301.985

25, 89.281,
303.992

22, 97.197,

Harmonies

Complementary

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



71, 1.644, 290.375



72, 1.619, 109.943

Rectangle

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



71, 1.644, 290.375



71, 1.644, 340.375



71, 1.644, 110.375



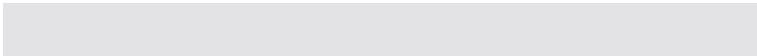
71, 1.644, 160.375

Sweetspot

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



71, 1.642, 290.336



90, 1.200, 290.295



72, 1.116, 198.366



48, 0.682, 290.293



96, 0.011, 296.813



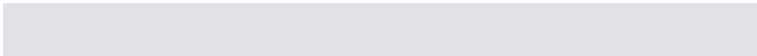
48, 0.006, 296.813

Same Dimension

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



71, 1.642, 290.336



90, 2.393, 290.363



71, 1.738, 308.499



37, 1.105, 290.349



17, 91.340, 306.272



1, 13.306, 290.147

Inverse Universe

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



71, 1.129, 18.980



90, 1.648, 19.073



72, 1.717, 128.471



37, 0.760, 19.030



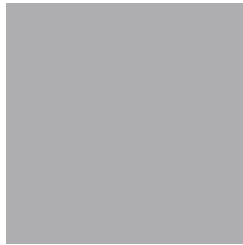
31, 70.893, 39.487



2, 9.156, 19.341

Previews

White Background



This preview shows how the CIE LCh color 71, 1.644, 290.375 looks on a white background.

Color Contrast Check

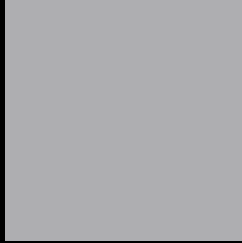
Large Text (above 18pt) WCAG AA × Fail

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, 1.644, 290.375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

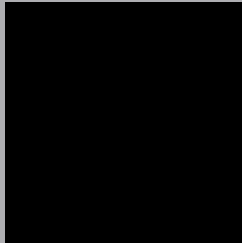
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

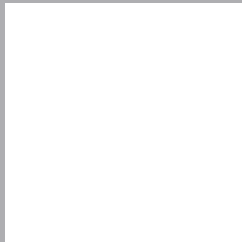
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 1.644, 290.375

Background



This preview shows how black text looks on a background with the CIELCh color 71, 1.644, 290.375.



This preview shows how white text looks on a background with the CIELCh color 71, 1.644, 290.375.

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, 1.644, 290.375

Protanopia

71, 2.003, 324.417

Deuteranopia

71, 9.645, 345.862



Tritanopia
71, 7.750, 299.051

Trichromacy



Original Color

71, 1.644, 290.375

Protanomaly

71, 1.816, 314.653

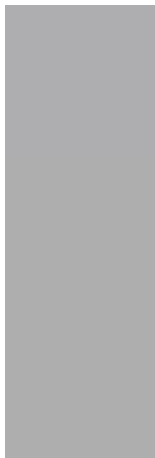
Deuteranomaly

71, 6.234, 342.137

Tritanomaly

71, 5.484, 294.562

Monochromacy



Original Color

71, 1.644, 290.375

Achromatopsia

71, 0.009, 296.813

Achromatomaly

71, 0.554, 290.337

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 1.644, 290.375 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(174, 174, 177)` looks like.

```
.text, #text, p{  
    color:rgb(174, 174, 177)  
}
```

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(174, 174, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 174, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 1.644, 290.375 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(174, 174, 177) }
```

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

```
.border{ border-color:rgb(174, 174, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 174, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 174, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 174, 177);  
box-shadow:4px 4px 4px 4px rgb(174, 174,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 1.644, 290.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 174, 177) }
```

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

```
.background{ background-color: rgb(174,  
174, 177) }
```

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