

Converting Colors

CIELCh(71, 30.258, 149.745)

Have a look what the booklet for
CIELCh(71, 30.258, 149.745)
contains.

CIELCh(71, 30.251, 149.775)	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, 30.251, 149.775)

Conversions

Conversions Part 1

Format	Color
Hex	84BA91
RGB	132, 186, 145
RGB Percent	52%, 73%, 57%
CMY	0.4815, 0.2697, 0.4305
CMYK	0.29, 0.00, 0.22, 0.27
HSL	134°, 28%, 62%
HSV	134°, 29%, 73%
XYZ	32.2840, 42.1875, 33.3171
YIQ	165.1800, -19.0230, -24.1990

Conversions

Conversions Part 2

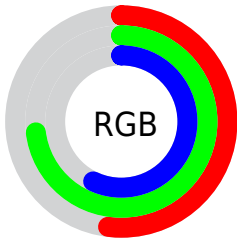
Format	Color
RYB	132, 176, 186
Decimal	8698513
CIELab	71.00, -26.14, 15.23
CIElCh	71, 30.251, 149.775
Yxy	42.1875, 0.2995, 0.3914
Android (android.graphics.Color)	4286888593 (0xFF84BA91)
YUV	165.1800, -9.9487, -29.0989
Hunter-Lab	64.9519, -24.9433, 15.0536

Details

The CIELCh color $71, 30.251, 149.775$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $62, 30.448, 333.919$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $91, 30.072, 149.968$, and $51, 30.630, 149.197$ is the 20% darker color. If you saturate the color by 10%, you get $70, 40.476, 148.762$, and if you desaturate by 10%, it is $72, 19.826, 150.654$.

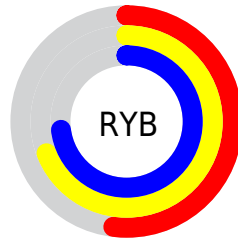
Distribution



Red (52%)

Green (73%)

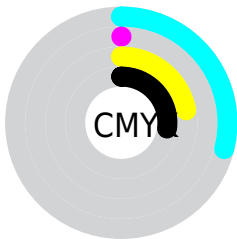
Blue (57%)



Red (52%)

Yellow (69%)

Blue (73%)

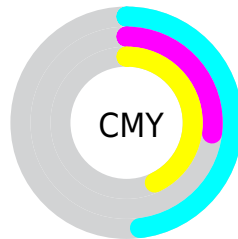


Cyan (29%)

Magenta (0%)

Yellow (22%)

Black (27%)



Cyan (48%)


Magenta (27%)


Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 30.251, 149.775 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, 30.251, 149.775 by changing the saturation by 10% instead.


 71, 30.251,
149.775


 71, 30.251,
149.775


 100, 30.251,
149.775


 61, 30.251,
149.775


 91, 30.251,
149.775

 51, 30.251,
149.775

 41, 30.251,
149.775

 31, 30.251,
149.775

 21, 30.251,
149.775

 11, 30.251,
149.775

 1, 30.251, 149.775

■ 0, 30.251, 149.775

■ 71, 30.251,
149.775

■ 71, 30.251,
149.775

■ 70, 40.476,
148.762

■ 72, 19.826,
150.654

■ 69, 50.309,
147.595

■ 74, 9.354, 151.428

■ 68, 59.541,
146.260

■ 76, 1.038, 331.760

■ 78, 11.257,
332.600

■ 67, 67.961,
144.757

■ 80, 21.239,
333.117

■ 67, 75.367,
143.105

■ 82, 30.941,
333.568

■ 66, 81.594,
141.354

■ 83, 38.733,

■ 66, 86.582,
139.641

330.735

■ 66, 87.028,
139.491

■ 84, 43.104,
325.918

Harmonies

Complementary

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



71, 30.251, 149.775



62, 30.448, 333.919

Rectangle

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



71, 30.251, 149.775



71, 30.251, 199.775



71, 30.251, 329.775



71, 30.251, 19.775

Sweetspot

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



71, 30.252, 149.775



94, 11.580, 151.417



73, 29.277, 117.413



50, 8.119, 151.308



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



71, 30.252, 149.775



89, 45.080, 149.125



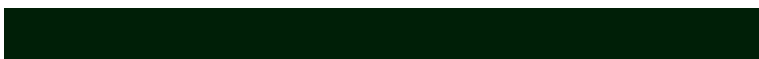
72, 20.810, 175.520



39, 5.953, 151.401



57, 76.674, 139.729



9, 19.256, 149.340

Inverse Universe

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



62, 30.448, 333.919



75, 45.366, 334.397



61, 22.900, 1.487



37, 5.976, 332.558



35, 67.352, 340.551



3, 16.956, 336.436

Previews

White Background



This preview shows how the CIELCh color 71, 30.251, 149.775 looks on a white background.

Color Contrast Check

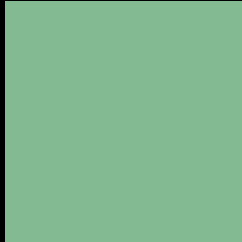
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 71, 30.251, 149.775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

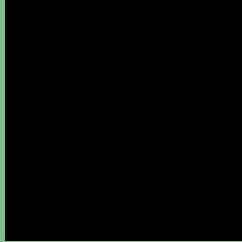
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 71, 30.251, 149.775

Background



This preview shows how black text looks on a background with the CIELCh color 71, 30.251, 149.775.



This preview shows how white text looks on a background with the CIELCh color 71, 30.251, 149.775.

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, 30.251, 149.775

Protanopia
71, 18.987, 94.683

Deuteranopia
71, 15.998, 57.683



Tritanopia
71, 14.767, 229.896

Trichromacy



Original Color
71, 30.251, 149.775

Protanomaly
71, 20.694, 122.621

Deuteranomaly
70, 14.121, 108.755

Tritanomaly
71, 15.982, 186.237

Monochromacy



Original Color
71, 30.251, 149.775

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 11.251, 151.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 30.251, 149.775 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(132, 186, 145)` looks like.

```
.text, #text, p{  
    color:rgb(132, 186, 145)  
}
```

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(132, 186, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 186, 145) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 30.251, 149.775 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(132, 186, 145) }
```

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

```
.border{ border-color:rgb(132, 186, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 186, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 186, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 186, 145);  
box-shadow:4px 4px 4px 4px rgb(132, 186,  
145) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 30.251, 149.775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 186, 145) }
```

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

```
.background{ background-color: rgb(132,  
186, 145) }
```

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