

Converting Colors

CIELCh(70, 29.987, 131.169)

Have a look what the booklet for
CIELCh(70, 29.987, 131.169)
contains.

CIELCh(70, 30.053, 130.822)	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(70, 30.053, 130.822)

Conversions

Conversions Part 1

Format	Color
Hex	96B481
RGB	150, 180, 129
RGB Percent	59%, 71%, 51%
CMY	0.4115, 0.2938, 0.4938
CMYK	0.17, 0.00, 0.28, 0.29
HSL	95°, 25%, 61%
HSV	95°, 28%, 71%
XYZ	32.8936, 40.7494, 26.9245
YIQ	165.2160, -1.5090, -22.2210

Conversions

Conversions Part 2

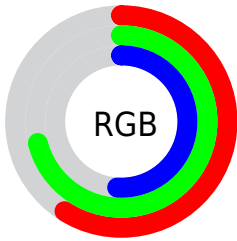
Format	Color
RYB	129, 180, 159
Decimal	9876609
CIELab	70.00, -19.65, 22.74
CIELCh	70, 30.053, 130.822
Yxy	40.7494, 0.3271, 0.4052
Android (android.graphics.Color)	4288066689 (0xFF96B481)
YUV	165.2160, -17.8545, -13.3444
Hunter-Lab	63.8353, -19.7326, 19.6773

Details

The CIELCh color **70, 30.053, 130.822** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **58, 30.997, 313.332**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 30.152, 130.589**, and **50, 30.190, 130.938** is the 20% darker color. If you saturate the color by 10%, you get **69, 40.498, 130.334**, and if you desaturate by 10%, it is **71, 19.456, 131.303**.

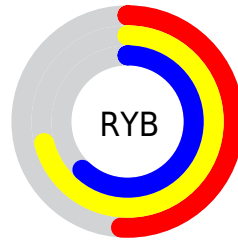
Distribution



Red (59%)

Green (71%)

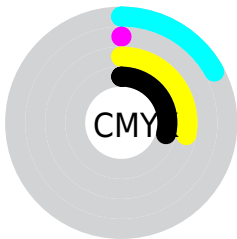
Blue (51%)



Red (51%)

Yellow (71%)

Blue (62%)

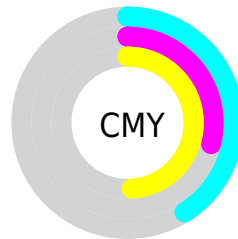


Cyan (17%)

Magenta (0%)

Yellow (28%)

Black (29%)



Cyan (41%)


Magenta (29%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 30.053, 130.822 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 70, 30.053, 130.822 by changing the saturation by 10% instead.


 70, 30.053,
130.822


 70, 30.053,
130.822


 100, 30.053,
130.822


 60, 30.053,
130.822


 90, 30.053,
130.822

 50, 30.053,
130.822

 40, 30.053,
130.822

 30, 30.053,
130.822

 20, 30.053,
130.822

 10, 30.053,
130.822

 0, 30.053, 130.822

70, 30.053,
130.822

70, 30.053,
130.822

69, 40.498,
130.334

71, 19.456,
131.303

68, 50.621,
129.865

72, 8.817, 131.761

67, 60.190,
129.469

74, 1.778, 312.081

67, 68.880,
129.227

75, 12.271,
312.519

66, 76.272,
129.254

76, 22.621,
312.856

66, 81.927,
129.673

78, 32.799,
313.153


65, 85.732,
130.503

79, 42.726,
313.444

65, 86.305,

80, 43.943,
317.970

130.635

 82, 45.403,
322.309

Harmonies

Complementary

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



70, 30.053, 130.822



58, 30.997, 313.332

Rectangle

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



70, 30.053, 130.822



70, 30.053, 180.822



70, 30.053, 310.822



70, 30.053, 0.822

Sweetspot

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



70, 30.055, 130.823



92, 10.505, 131.769



67, 18.681, 80.216



48, 7.464, 131.702



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



70, 30.055, 130.823



88, 44.635, 130.517



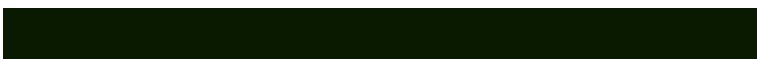
69, 32.224, 144.796



37, 5.958, 131.716



56, 76.366, 130.438



7, 14.781, 135.160

Inverse Universe

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



58, 30.997, 313.332



71, 46.370, 313.625



60, 32.252, 328.377



35, 6.024, 312.465



25, 83.521, 314.251



2, 14.069, 308.246

Previews

White Background



This preview shows how the CIELCh color 70, 30.053, 130.822 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 70, 30.053, 130.822 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 70, 30.053, 130.822

Background



This preview shows how black text looks on a background with the CIELCh color 70, 30.053, 130.822.



This preview shows how white text looks on a background with the CIELCh color 70, 30.053, 130.822.

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](#).

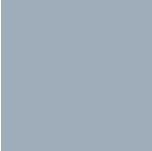
Dichromacy



Original Color
70, 30.053, 130.822

Protanopia
70, 25.444, 96.290

Deuteranopia
70, 22.832, 67.348



Tritanopia
70, 8.591, 255.350

Trichromacy



Original Color
70, 30.053, 130.822

Protanomaly
70, 25.963, 110.268

Deuteranomaly
70, 21.257, 94.617

Tritanomaly
70, 9.668, 160.181

Monochromacy



Original Color
70, 30.053, 130.822

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 10.621, 130.550

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 30.053, 130.822 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(150, 180, 129)` looks like.

```
.text, #text, p{  
    color:rgb(150, 180, 129)  
}
```

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(150, 180, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 180, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 30.053, 130.822 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(150, 180, 129) }
```

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

```
.border{ border-color:rgb(150, 180, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 180, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 180, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 180, 129);  
box-shadow:4px 4px 4px 4px rgb(150, 180,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 30.053, 130.822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 180, 129) }
```

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

```
.background{ background-color: rgb(150,  
180, 129) }
```

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