

Converting Colors

CIELCh(70, 13.160, 16.914)

Have a look what the booklet for
CIELCh(70, 13.160, 16.914) contains.

CIELCh(70, 13.306, 15.913)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(70, 13.306, 15.913)

Conversions

Conversions Part 1

Format	Color
Hex	C5A3A5
RGB	197, 163, 165
RGB Percent	77%, 64%, 65%
CMY	0.2277, 0.3610, 0.3532
CMYK	0.00, 0.17, 0.16, 0.23
HSL	356°, 23%, 71%
HSV	356°, 17%, 77%
XYZ	42.8821, 40.7494, 41.1741
YIQ	173.3940, 19.6220, 7.8300

Conversions

Conversions Part 2

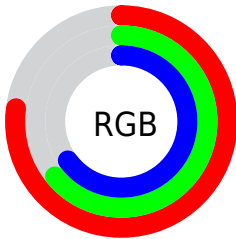
Format	Color
RYB	197, 163, 165
Decimal	12952485
CIELab	70.00, 12.80, 3.65
CIELCh	70, 13.306, 15.913
Yxy	40.7494, 0.3436, 0.3265
Android (android.graphics.Color)	4291142565 (0xFFC5A3A5)
YUV	173.3940, -4.1382, 20.7025
Hunter-Lab	63.8353, 8.1978, 6.4423

Details

The CIELCh color **70, 13.306, 15.913** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **77, 12.048, 193.396**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 13.294, 15.890**, and **50, 13.499, 16.109** is the 20% darker color. If you saturate the color by 10%, you get **65, 21.742, 17.045**, and if you desaturate by 10%, it is **75, 5.402, 14.974**.

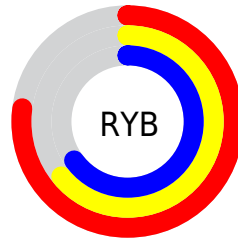
Distribution



Red (77%)

Green (64%)

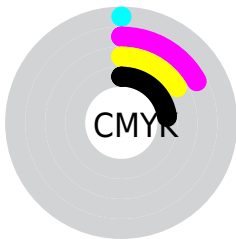
Blue (65%)



Red (77%)

Yellow (64%)

Blue (65%)

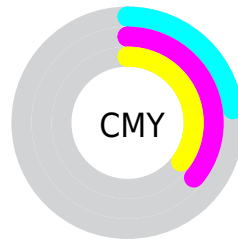


Cyan (0%)

Magenta (17%)

Yellow (16%)

Black (23%)



Cyan (23%)

Magenta (36%)

Yellow (35%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 13.306, 15.913 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, 13.306, 15.913 by changing the saturation by 10% instead.

 70, 13.306, 15.913

 70, 13.306, 15.913

 100, 13.306,
15.913

 60, 13.306, 15.913

 90, 13.306, 15.913

 50, 13.306, 15.913

 40, 13.306, 15.913

 30, 13.306, 15.913

 20, 13.306, 15.913

 10, 13.306, 15.913

 0, 13.306, 15.913

 70, 13.306, 15.913

 70, 13.306, 15.913

 65, 21.742, 17.045

 75, 5.402, 14.974

60, 30.667, 18.455

81, 1.964, 194.625

55, 39.959, 20.254

87, 8.821, 193.817

51, 49.413, 22.560

92, 15.212,
193.292

47, 58.746, 25.488

96, 19.031,
198.249

44, 67.629, 29.087

42, 75.676, 33.182

41, 82.203, 37.080

41, 83.669, 37.856

Harmonies

Complementary

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



70, 13.306, 15.913



77, 12.048, 193.396

Rectangle

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



70, 13.306, 15.913



70, 13.306, 65.913



70, 13.306, 195.913



70, 13.306, 245.913

Sweetspot

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



70, 13.304, 15.921



97, 4.553, 14.760



71, 21.931, 323.498



51, 3.114, 14.832



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 13.304, 15.921



86, 20.248, 16.349



74, 10.987, 65.943



39, 4.286, 15.170



34, 72.322, 37.354



3, 15.919, 16.360

Inverse Universe

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



70, 13.304, 15.921



86, 20.248, 16.349



73, 10.311, 250.122



39, 4.286, 15.170



34, 72.322, 37.354



3, 15.919, 16.360

Previews

White Background



This preview shows how the CIELCh color 70, 13.306, 15.913 looks on a white background.

Color Contrast Check

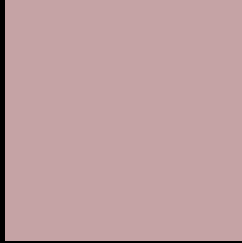
Large Text (above 18pt) WCAG AA × Fail

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 70, 13.306, 15.913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

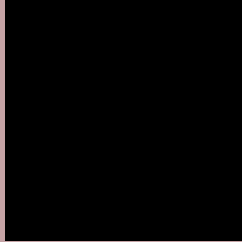
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 13.306, 15.913

Background



This preview shows how black text looks on a background with the CIELCh color 70, 13.306, 15.913.



This preview shows how white text looks on a background with the CIELCh color 70, 13.306, 15.913.

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, 13.306, 15.913

Protanopia

70, 1.968, 35.414

Deuteranopia

70, 9.405, 26.796



Tritanopia
70, 15.241, 355.469

Trichromacy



Original Color
70, 13.306, 15.913

Protanomaly
70, 6.162, 14.802

Deuteranomaly
70, 10.937, 23.170

Tritanomaly
70, 14.696, 1.327

Monochromacy



Original Color
70, 13.306, 15.913

Achromatopsia
71, 0.009, 296.813

Achromatomaly
70, 4.992, 13.486

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 13.306, 15.913 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(197, 163, 165)` looks like.

```
.text, #text, p{  
    color:rgb(197, 163, 165)  
}
```

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(197, 163, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 163, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 13.306, 15.913 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(197, 163, 165) }
```

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

```
.border{ border-color:rgb(197, 163, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 163, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 163, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 163, 165);  
box-shadow:4px 4px 4px 4px rgb(197, 163,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 13.306, 15.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 163, 165) }
```

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

```
.background{ background-color: rgb(197,  
163, 165) }
```

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