

Converting Colors

CIELCh(70, 36.758, 164.480)

Have a look what the booklet for
CIELCh(70, 36.758, 164.480)
contains.

CIELCh(70, 36.915, 164.312)	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, 36.915, 164.312)

Conversions

Conversions Part 1

Format	Color
Hex	62BC98
RGB	98, 188, 152
RGB Percent	38%, 74%, 60%
CMY	0.6163, 0.2633, 0.4045
CMYK	0.48, 0.00, 0.19, 0.26
HSL	156°, 40%, 56%
HSV	156°, 48%, 74%
XYZ	28.6250, 40.7494, 35.9982
YIQ	156.9860, -42.0840, -30.2760

Conversions

Conversions Part 2

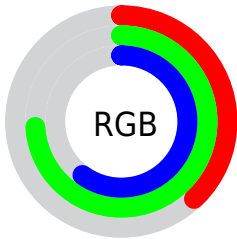
Format	Color
RYB	98, 154, 188
Decimal	6470808
CIELab	70.00, -35.54, 9.98
CIElCh	70, 36.915, 164.312
Yxy	40.7494, 0.2717, 0.3867
Android (android.graphics.Color)	4284660888 (0xFF62BC98)
YUV	156.9860, -2.4581, -51.7307
Hunter-Lab	63.8353, -31.6688, 11.2497

Details

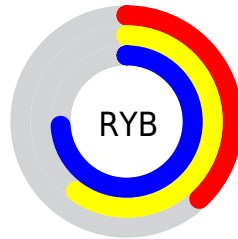
The CIELCh color **70, 36.915, 164.312** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **53, 40.445, 355.114**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 37.058, 163.921**, and **50, 36.897, 164.324** is the 20% darker color. If you saturate the color by 10%, you get **69, 43.498, 162.871**, and if you desaturate by 10%, it is **71, 29.782, 165.597**.

Distribution



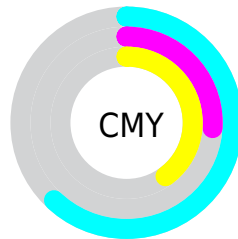
- Red (38%)
- Green (74%)
- Blue (60%)



- Red (38%)
- Yellow (60%)
- Blue (74%)



- Cyan (48%)
- Magenta (0%)
- Yellow (19%)
- Black (26%)





- Cyan (62%)
- Magenta (26%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 36.915, 164.312 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, 36.915, 164.312 by changing the saturation by 10% instead.


 70, 36.915,
164.312


 70, 36.915,
164.312


 100, 36.915,
164.312


 60, 36.915,
164.312


 90, 36.915,
164.312


 50, 36.915,
164.312

 40, 36.915,
164.312

 30, 36.915,
164.312

 20, 36.915,
164.312

 10, 36.915,
164.312

 0, 36.915, 164.312

70, 36.915,
164.312

70, 36.915,
164.312

69, 43.498,
162.871

71, 29.782,
165.597

69, 49.413,
161.250

72, 22.228,
166.752

68, 54.580,
159.430

73, 14.387,
167.802

68, 58.975,
157.401

75, 6.379, 168.788

67, 62.685,
155.199

77, 1.691, 349.344

67, 63.429,
154.751

78, 9.741, 350.358

80, 17.704,
351.132

82, 25.535,
351.848

■ 83, 29.508,
347.753

Harmonies

Complementary

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



70, 36.915, 164.312



53, 40.445, 355.114

Rectangle

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



70, 36.915, 164.312



70, 36.915, 214.312



70, 36.915, 344.312



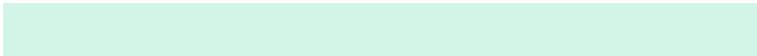
70, 36.915, 34.312

Sweetspot

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



70, 36.916, 164.311



94, 13.971, 168.169



71, 52.138, 130.258



50, 9.631, 167.955



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



70, 36.916, 164.311



88, 53.085, 162.867



68, 25.473, 208.808



39, 4.585, 168.646



57, 55.499, 155.077



9, 15.435, 161.781

Inverse Universe

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



53, 40.445, 355.114



63, 58.898, 357.019



54, 36.661, 31.524



37, 4.672, 350.206



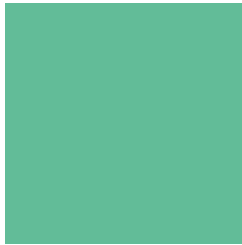
33, 59.263, 10.991



3, 13.292, 357.345

Previews

White Background



This preview shows how the CIELCh color 70, 36.915, 164.312 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, 36.915, 164.312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

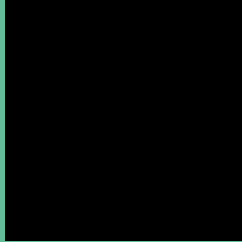
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 36.915, 164.312

Background



This preview shows how black text looks on a background with the CIELCh color 70, 36.915, 164.312.

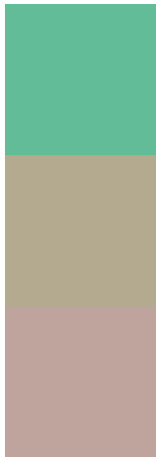


This preview shows how white text looks on a background with the CIELCh color 70, 36.915, 164.312.

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, 36.915, 164.312

Protanopia
70, 15.151, 94.839

Deuteranopia
70, 11.362, 39.802



Tritanopia
70, 23.583, 216.911

Trichromacy



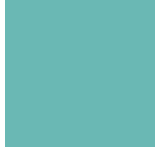
Original Color
70, 36.915, 164.312



Protanomaly
69, 19.491, 140.804



Deuteranomaly
69, 11.653, 140.892



Tritanomaly
70, 25.596, 192.430

Monochromacy



Original Color
70, 36.915, 164.312



Achromatopsia
65, 0.008, 296.813



Achromatomaly
66, 14.329, 168.009

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 36.915, 164.312 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(98, 188, 152)` looks like.

```
.text, #text, p{  
    color:rgb(98, 188, 152)  
}
```

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(98, 188, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 188, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 36.915, 164.312 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(98, 188, 152) }
```

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

```
.border{ border-color:rgb(98, 188, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 188, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 188, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 188, 152);  
box-shadow:4px 4px 4px 4px rgb(98, 188,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 36.915, 164.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 188, 152) }
```

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

```
.background{ background-color: rgb(98, 188,  
152) }
```

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](#).

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