

Converting Colors

CIELCh(70, 37.758, 162.142)

Have a look what the booklet for
CIELCh(70, 37.758, 162.142)
contains.

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Color

CIELCh(70, 37.758, 162.142)

Conversions

Conversions Part 1

Format	Color
Hex	63BC95
RGB	99, 188, 149
RGB Percent	39%, 74%, 58%
CMY	0.6121, 0.2630, 0.4160
CMYK	0.47, 0.00, 0.21, 0.26
HSL	154°, 40%, 56%
HSV	154°, 47%, 74%
XYZ	28.5229, 40.7494, 34.7654
YIQ	156.9430, -40.5250, -30.9970

Conversions

Conversions Part 2

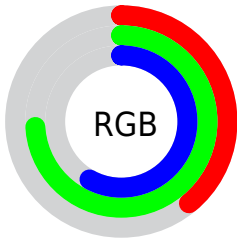
Format	Color
RYB	99, 156, 188
Decimal	6536341
CIELab	70.00, -35.94, 11.58
CIElCh	70, 37.758, 162.142
Yxy	40.7494, 0.2742, 0.3917
Android (android.graphics.Color)	4284726421 (0xFF63BC95)
YUV	156.9430, -3.9159, -50.8160
Hunter-Lab	63.8353, -31.9543, 12.3947

Details

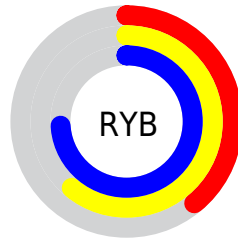
The CIELCh color **70, 37.758, 162.142** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **53, 40.679, 352.477**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 38.062, 162.061**, and **50, 37.749, 161.973** is the 20% darker color. If you saturate the color by 10%, you get **69, 44.684, 160.705**, and if you desaturate by 10%, it is **71, 30.302, 163.418**.

Distribution



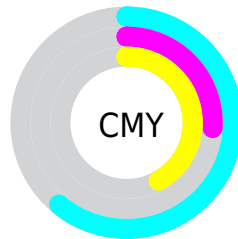
- Red (39%)
- Green (74%)
- Blue (58%)



- Red (39%)
- Yellow (61%)
- Blue (74%)



- Cyan (47%)
- Magenta (0%)
- Yellow (21%)
- Black (26%)





- Cyan (61%)
- Magenta (26%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 37.758, 162.142 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, 37.758, 162.142 by changing the saturation by 10% instead.


 70, 37.758,
162.142


 70, 37.758,
162.142


 100, 37.758,
162.142


 60, 37.758,
162.142


 90, 37.758,
162.142

 50, 37.758,
162.142

 40, 37.758,
162.142

 30, 37.758,
162.142

 20, 37.758,
162.142

 10, 37.758,
162.142

 0, 37.758, 162.142

70, 37.758,
162.142

70, 37.758,
162.142

69, 44.684,
160.705

71, 30.302,
163.418

68, 50.954,
159.085

72, 22.451,
164.560

68, 56.481,
157.262

74, 14.341,
165.592

68, 61.229,
155.227

75, 6.092, 166.558

67, 65.263,
153.015

77, 2.191, 347.152

78, 10.428,
348.081

67, 66.280,
152.445

80, 18.554,
348.823

82, 26.525,
349.507

■ 83, 30.432,
344.762

Harmonies

Complementary

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



70, 37.758, 162.142



53, 40.679, 352.477

Rectangle

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



70, 37.758, 162.142



70, 37.758, 212.142



70, 37.758, 342.142



70, 37.758, 32.142

Sweetspot

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



70, 37.759, 162.141



94, 14.352, 165.898



71, 50.854, 128.624



50, 9.897, 165.688



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, 37.759, 162.141



88, 54.958, 160.617



70, 26.442, 202.724



39, 4.707, 166.366



57, 57.956, 152.775



9, 15.890, 159.806

Inverse Universe

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



53, 40.679, 352.477



64, 59.732, 354.346



53, 37.606, 27.831



37, 4.783, 347.890



33, 59.066, 7.317



3, 13.515, 355.193

Previews

White Background



This preview shows how the CIELCh color 70, 37.758, 162.142 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, 37.758, 162.142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

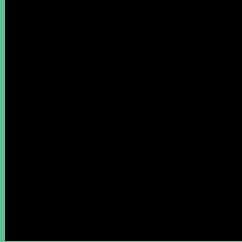
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 37.758, 162.142

Background



This preview shows how black text looks on a background with the CIELCh color 70, 37.758, 162.142.

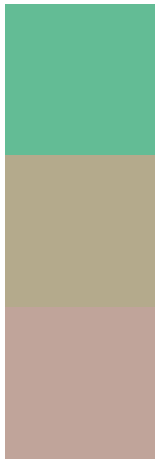


This preview shows how white text looks on a background with the CIELCh color 70, 37.758, 162.142.

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, 37.758, 162.142

Protanopia
70, 16.836, 94.580

Deuteranopia
70, 12.457, 46.095



Tritanopia
70, 23.099, 217.359

Trichromacy



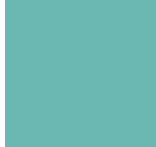
Original Color
70, 37.758, 162.142



Protanomaly
69, 21.161, 136.850



Deuteranomaly
69, 12.901, 135.671



Tritanomaly
70, 25.475, 191.166

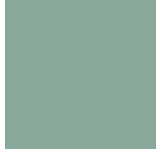
Monochromacy



Original Color
70, 37.758, 162.142



Achromatopsia
65, 0.008, 296.813



Achromatomaly
66, 14.345, 165.479

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 37.758, 162.142 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(99, 188, 149)` looks like.

```
.text, #text, p{  
    color:rgb(99, 188, 149)  
}
```

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(99, 188, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 188, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 37.758, 162.142 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(99, 188, 149) }
```

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

```
.border{ border-color:rgb(99, 188, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 188, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 188, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 188, 149);  
box-shadow:4px 4px 4px 4px rgb(99, 188,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 37.758, 162.142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 188, 149) }
```

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

```
.background{ background-color: rgb(99, 188,  
149) }
```

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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