

Converting Colors

CIELCh(70, 33.360, 166.170)

Have a look what the booklet for
CIELCh(70, 33.360, 166.170)
contains.

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Color

CIELCh(70, 33.342, 166.200)

Conversions

Conversions Part 1

Format	Color
Hex	69BB9C
RGB	105, 187, 156
RGB Percent	41%, 73%, 61%
CMY	0.5897, 0.2681, 0.3896
CMYK	0.44, 0.00, 0.17, 0.27
HSL	157°, 37%, 57%
HSV	157°, 44%, 73%
XYZ	29.4424, 40.7494, 37.6057
YIQ	158.9480, -38.9210, -27.0250

Conversions

Conversions Part 2

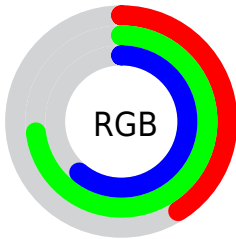
Format	Color
RYB	105, 156, 187
Decimal	6929308
CIELab	70.00, -32.38, 7.95
CIELCh	70, 33.342, 166.200
Yxy	40.7494, 0.2731, 0.3780
Android (android.graphics.Color)	4285119388 (0xFF69BB9C)
YUV	158.9480, -1.4534, -47.3124
Hunter-Lab	63.8353, -29.3831, 9.7566

Details

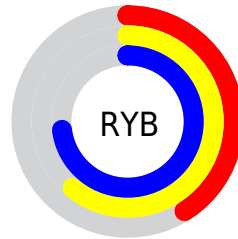
The CIELCh color **70, 33.342, 166.200** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **54, 36.629, 355.945**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 33.726, 165.656**, and **50, 33.100, 166.471** is the 20% darker color. If you saturate the color by 10%, you get **69, 39.953, 164.829**, and if you desaturate by 10%, it is **71, 26.226, 167.428**.

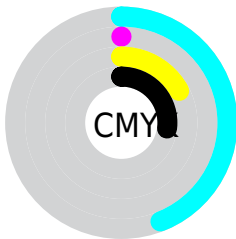
Distribution



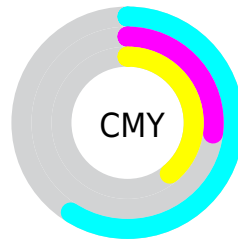
- Red (41%)
- Green (73%)
- Blue (61%)



- Red (41%)
- Yellow (61%)
- Blue (73%)



- Cyan (44%)
- Magenta (0%)
- Yellow (17%)
- Black (27%)





- Cyan (59%)
- Magenta (27%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 33.342, 166.200 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, 33.342, 166.200 by changing the saturation by 10% instead.


 70, 33.342,
166.200


 70, 33.342,
166.200


 100, 33.342,
166.200


 60, 33.342,
166.200


 90, 33.342,
166.200

 50, 33.342,
166.200

 40, 33.342,
166.200

 30, 33.342,
166.200

 20, 33.342,
166.200

 10, 33.342,
166.200

 0, 33.342, 166.200

70, 33.342,
166.200

70, 33.342,
166.200

69, 39.953,
164.829

71, 26.226,
167.428

68, 45.936,
163.294

72, 18.733,
168.540

68, 51.198,
161.569

74, 10.990,
169.563

67, 55.694,
159.640

75, 3.112, 170.586

67, 59.445,
157.506

77, 4.807, 351.215

79, 12.690,
352.068

67, 61.492,
156.185

80, 20.480,
352.830

82, 28.133,
353.543

■ 83, 30.129,
347.556

Harmonies

Complementary

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



70, 33.342, 166.200



54, 36.629, 355.945

Rectangle

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



70, 33.342, 166.200



70, 33.342, 216.200



70, 33.342, 346.200



70, 33.342, 36.200

Sweetspot

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



70, 33.343, 166.199



93, 12.676, 169.634



71, 47.984, 130.982



50, 8.931, 169.414



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, 33.343, 166.199



88, 48.537, 164.840



68, 23.410, 210.777



39, 4.518, 170.014



57, 54.088, 156.498



9, 15.171, 163.022

Inverse Universe

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



54, 36.629, 355.945



65, 54.252, 357.743



56, 32.535, 32.386



37, 4.611, 351.592



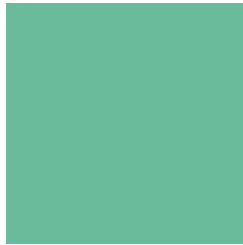
33, 59.507, 13.102



3, 13.178, 358.556

Previews

White Background



This preview shows how the CIE LCh color 70, 33.342, 166.200 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, 33.342, 166.200 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, 33.342, 166.200

Background



This preview shows how black text looks on a background with the CIELCh color 70, 33.342, 166.200.

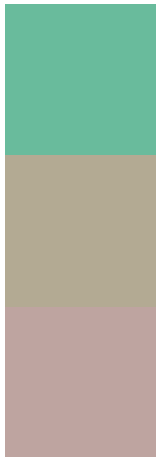


This preview shows how white text looks on a background with the CIELCh color 70, 33.342, 166.200.

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, 33.342, 166.200

Protanopia

70, 13.040, 92.897

Deuteranopia

69, 10.445, 32.250



Tritanopia
70, 22.228, 219.781

Trichromacy



Original Color
70, 33.342, 166.200



Protanomaly
69, 17.003, 141.564



Deuteranomaly
69, 9.175, 142.110

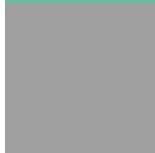


Tritanomaly
70, 23.762, 194.862

Monochromacy



Original Color
70, 33.342, 166.200



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 12.783, 169.904

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 33.342, 166.200 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(105, 187, 156)` looks like.

```
.text, #text, p{  
    color:rgb(105, 187, 156)  
}
```

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(105, 187, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 187, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 33.342, 166.200 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(105, 187, 156) }
```

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

```
.border{ border-color:rgb(105, 187, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 187, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 187, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 187, 156); box-shadow:4px 4px 4px 4px rgb(105, 187, 156) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 33.342, 166.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 187, 156) }
```

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

```
.background{ background-color: rgb(105,  
187, 156) }
```

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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