

Converting Colors

CIELCh(70, 32.591, 166.619)

Have a look what the booklet for
CIELCh(70, 32.591, 166.619)
contains.

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Color

CIELCh(70, 32.537, 166.501)

Conversions

Conversions Part 1

Format	Color
Hex	6ABA9C
RGB	106, 186, 156
RGB Percent	42%, 73%, 61%
CMY	0.5831, 0.2693, 0.3870
CMYK	0.43, 0.00, 0.16, 0.27
HSL	157°, 37%, 57%
HSV	157°, 43%, 73%
XYZ	29.6364, 40.7494, 37.8944
YIQ	158.6600, -38.0500, -26.2900

Conversions

Conversions Part 2

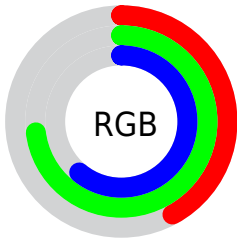
Format	Color
RYB	106, 155, 186
Decimal	6994588
CIELab	70.00, -31.64, 7.60
CIElCh	70, 32.537, 166.501
Yxy	40.7494, 0.2737, 0.3763
Android (android.graphics.Color)	4285184668 (0xFF6ABA9C)
YUV	158.6600, -1.3114, -46.1828
Hunter-Lab	63.8353, -28.8406, 9.4885

Details

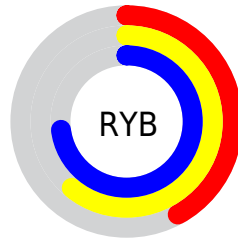
The CIELCh color **70, 32.537, 166.501** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **55, 35.715, 355.969**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 32.922, 165.878**, and **50, 32.343, 166.906** is the 20% darker color. If you saturate the color by 10%, you get **69, 39.175, 165.147**, and if you desaturate by 10%, it is **71, 25.406, 167.715**.

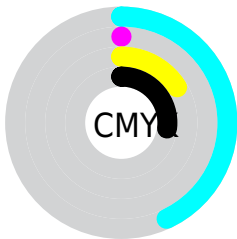
Distribution



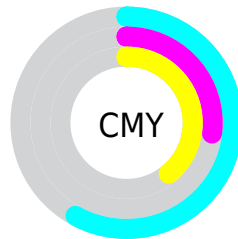
- Red (42%)
- Green (73%)
- Blue (61%)



- Red (42%)
- Yellow (61%)
- Blue (73%)



- Cyan (43%)
- Magenta (0%)
- Yellow (16%)
- Black (27%)





- Cyan (58%)
- Magenta (27%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 32.537, 166.501 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, 32.537, 166.501 by changing the saturation by 10% instead.


 70, 32.537,
166.501


 70, 32.537,
166.501


 100, 32.537,
166.501


 60, 32.537,
166.501


 90, 32.537,
166.501

 50, 32.537,
166.501

 40, 32.537,
166.501

 30, 32.537,
166.501

 20, 32.537,
166.501

 10, 32.537,
166.501

 0, 32.537, 166.501

70, 32.537,
166.501

70, 32.537,
166.501

69, 39.175,
165.147

71, 25.406,
167.715

68, 45.196,
163.630

72, 17.911,
168.818

68, 50.504,
161.928

74, 10.176,
169.834

67, 55.048,
160.022

75, 2.315, 170.894

77, 5.580, 351.484

67, 58.844,
157.910

79, 13.435,
352.323

67, 61.216,
156.369

81, 21.192,
353.081

83, 28.686,
353.639

■ 83, 30.333,
347.340

Harmonies

Complementary

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



70, 32.537, 166.501



55, 35.715, 355.969

Rectangle

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



70, 32.537, 166.501



70, 32.537, 216.501



70, 32.537, 346.501



70, 32.537, 36.501

Sweetspot

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



70, 32.538, 166.500



93, 12.653, 169.807



71, 46.874, 131.031



50, 8.915, 169.586



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, 32.538, 166.500



88, 47.637, 165.159



68, 22.962, 210.735



39, 4.510, 170.187



57, 53.913, 156.679



9, 15.138, 163.182

Inverse Universe

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



55, 35.715, 355.969



65, 53.243, 357.735



56, 31.632, 32.290



37, 4.604, 351.767



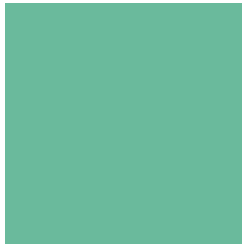
33, 59.544, 13.363



3, 13.164, 358.704

Previews

White Background



This preview shows how the CIELCh color 70, 32.537, 166.501 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, 32.537, 166.501 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, 32.537, 166.501

Background



This preview shows how black text looks on a background with the CIELCh color 70, 32.537, 166.501.

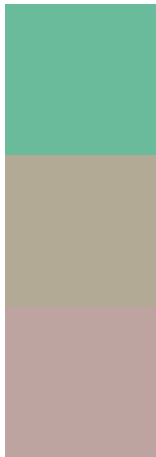


This preview shows how white text looks on a background with the CIELCh color 70, 32.537, 166.501.

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](#).

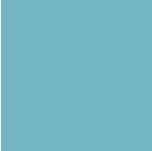
Dichromacy



Original Color
70, 32.537, 166.501

Protanopia
70, 12.406, 94.073

Deuteranopia
70, 10.320, 29.336



Tritanopia
70, 21.865, 218.610

Trichromacy



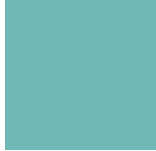
Original Color
70, 32.537, 166.501



Protanomaly
69, 16.542, 142.573



Deuteranomaly
69, 8.501, 141.995

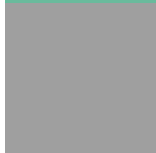


Tritanomaly
70, 23.490, 194.853

Monochromacy



Original Color
70, 32.537, 166.501



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 12.470, 169.165

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 32.537, 166.501 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(106, 186, 156)` looks like.

```
.text, #text, p{  
    color:rgb(106, 186, 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(106, 186, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 186, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 32.537, 166.501 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(106, 186, 156) }
```

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

```
.border{ border-color:rgb(106, 186, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 186, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 186, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 186, 156);  
box-shadow:4px 4px 4px 4px rgb(106, 186,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 32.537, 166.501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 186, 156) }
```

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

```
.background{ background-color: rgb(106,  
186, 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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