

Converting Colors

CIELCh(70, 33.620, 159.581)

Have a look what the booklet for
CIELCh(70, 33.620, 159.581)
contains.

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Color

CIELCh(70, 33.545, 159.766)

Conversions

Conversions Part 1

Format	Color
Hex	70BA95
RGB	112, 186, 149
RGB Percent	44%, 73%, 58%
CMY	0.5607, 0.2704, 0.4156
CMYK	0.40, 0.00, 0.20, 0.27
HSL	150°, 35%, 58%
HSV	150°, 40%, 73%
XYZ	29.6792, 40.7494, 34.7480
YIQ	159.6560, -32.2270, -27.1950

Conversions

Conversions Part 2

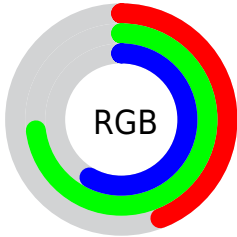
Format	Color
RYB	112, 161, 186
Decimal	7387797
CIELab	70.00, -31.47, 11.60
CIElCh	70, 33.545, 159.766
Yxy	40.7494, 0.2822, 0.3874
Android (android.graphics.Color)	4285577877 (0xFF70BA95)
YUV	159.6560, -5.2534, -41.7943
Hunter-Lab	63.8353, -28.7209, 12.4109

Details

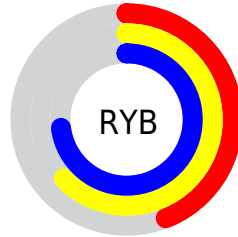
The CIELCh color **70, 33.545, 159.766** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **56, 35.153, 347.560**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 34.001, 159.651**, and **50, 33.387, 159.713** is the 20% darker color. If you saturate the color by 10%, you get **69, 41.311, 158.466**, and if you desaturate by 10%, it is **71, 25.379, 160.917**.

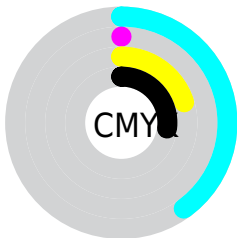
Distribution



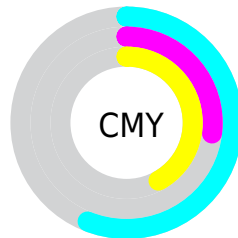
- Red (44%)
- Green (73%)
- Blue (58%)



- Red (44%)
- Yellow (63%)
- Blue (73%)



- Cyan (40%)
- Magenta (0%)
- Yellow (20%)
- Black (27%)





- Cyan (56%)
- Magenta (27%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 33.545, 159.766 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, 33.545, 159.766 by changing the saturation by 10% instead.


 70, 33.545,
159.766


 70, 33.545,
159.766


 100, 33.545,
159.766


 60, 33.545,
159.766


 90, 33.545,
159.766

 50, 33.545,
159.766

 40, 33.545,
159.766

 30, 33.545,
159.766

 20, 33.545,
159.766

 10, 33.545,
159.766

 0, 33.545, 159.766

70, 33.545,
159.766

70, 33.545,
159.766

69, 41.311,
158.466

71, 25.379,
160.917

68, 48.531,
156.994

72, 16.950,
161.945

68, 55.079,
155.328

74, 8.389, 162.884

67, 60.864,
153.453

76, 0.196, 341.701

77, 8.719, 344.374

67, 65.858,
151.372

79, 17.115,
345.088

66, 70.189,
149.177

81, 25.336,
345.734

66, 70.282,
149.131

83, 31.678,
343.806

■ 83, 34.644,
337.224

Harmonies

Complementary

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



70, 33.545, 159.766



56, 35.153, 347.560

Rectangle

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



70, 33.545, 159.766



70, 33.545, 209.766



70, 33.545, 339.766



70, 33.545, 29.766

Sweetspot

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



70, 33.546, 159.765



93, 12.760, 162.662



71, 41.906, 126.621



50, 8.532, 162.541



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, 33.546, 159.765



88, 49.456, 158.601



71, 24.210, 195.912



38, 4.808, 162.925



56, 61.144, 149.474



8, 14.440, 157.621

Inverse Universe

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



56, 35.153, 347.560



68, 52.163, 348.778



55, 31.718, 21.989



36, 4.869, 344.374



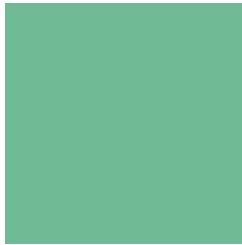
33, 58.650, 1.377



3, 12.208, 350.788

Previews

White Background



This preview shows how the CIELCh color 70, 33.545, 159.766 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, 33.545, 159.766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

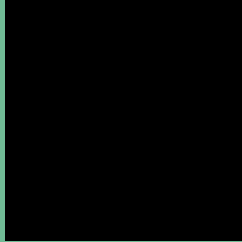
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 33.545, 159.766

Background



This preview shows how black text looks on a background with the CIELCh color 70, 33.545, 159.766.



This preview shows how white text looks on a background with the CIELCh color 70, 33.545, 159.766.

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](#).

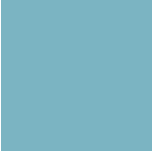
Dichromacy



Original Color
70, 33.545, 159.766

Protanopia
70, 16.308, 94.203

Deuteranopia
70, 12.826, 45.323



Tritanopia
70, 19.826, 221.005

Trichromacy



Original Color
70, 33.545, 159.766



Protanomaly
69, 19.305, 133.547



Deuteranomaly
69, 11.373, 124.944



Tritanomaly
70, 21.489, 191.793

Monochromacy



Original Color
70, 33.545, 159.766



Achromatopsia
66, 0.008, 296.813



Achromatomaly
67, 12.205, 162.378

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 33.545, 159.766 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(112, 186, 149)` looks like.

```
.text, #text, p{  
    color:rgb(112, 186, 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(112, 186, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 186, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 33.545, 159.766 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(112, 186, 149) }
```

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

```
.border{ border-color:rgb(112, 186, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 186, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 186, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 186, 149);  
box-shadow:4px 4px 4px 4px rgb(112, 186,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 33.545, 159.766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 186, 149) }
```

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

```
.background{ background-color: rgb(112,  
186, 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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