

Converting Colors

CIELCh(70, 32.610, 158.347)

Have a look what the booklet for
CIELCh(70, 32.610, 158.347)
contains.

CIELCh(70, 32.944, 157.876)	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, 32.944, 157.876)

Conversions

Conversions Part 1

Format	Color
Hex	74BA94
RGB	116, 186, 148
RGB Percent	45%, 73%, 58%
CMY	0.5467, 0.2722, 0.4212
CMYK	0.38, 0.00, 0.20, 0.27
HSL	147°, 34%, 59%
HSV	147°, 38%, 73%
XYZ	29.9310, 40.7494, 34.1373
YIQ	160.7380, -29.5220, -26.6580

Conversions

Conversions Part 2

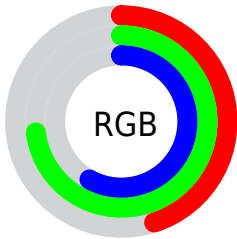
Format	Color
RYB	116, 164, 186
Decimal	7649940
CIELab	70.00, -30.52, 12.41
CIElCh	70, 32.944, 157.876
Yxy	40.7494, 0.2856, 0.3888
Android (android.graphics.Color)	4285840020 (0xFF74BA94)
YUV	160.7380, -6.2798, -39.2352
Hunter-Lab	63.8353, -28.0168, 12.9781

Details

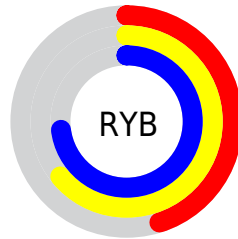
The CIELCh color **70, 32.944, 157.876** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **57, 34.127, 344.875**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 32.789, 158.090**, and **50, 32.919, 157.953** is the 20% darker color. If you saturate the color by 10%, you get **69, 41.124, 156.624**, and if you desaturate by 10%, it is **71, 24.406, 158.980**.

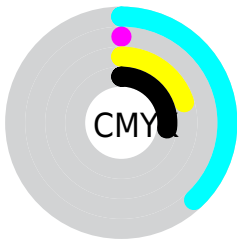
Distribution



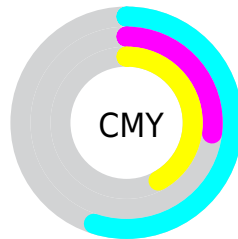
- Red (45%)
- Green (73%)
- Blue (58%)



- Red (45%)
- Yellow (64%)
- Blue (73%)



- Cyan (38%)
- Magenta (0%)
- Yellow (20%)
- Black (27%)





- Cyan (55%)
- Magenta (27%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 32.944, 157.876 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, 32.944, 157.876 by changing the saturation by 10% instead.


 70, 32.944,
157.876


 70, 32.944,
157.876


 100, 32.944,
157.876


 60, 32.944,
157.876


 90, 32.944,
157.876

 50, 32.944,
157.876

 40, 32.944,
157.876

 30, 32.944,
157.876

 20, 32.944,
157.876

 10, 32.944,
157.876

 0, 32.944, 157.876

70, 32.944,
157.876

70, 32.944,
157.876

69, 41.124,
156.624

71, 24.406,
158.980

68, 48.792,
155.202

73, 15.652,
159.963

67, 55.810,
153.588

74, 6.808, 160.863

67, 62.068,
151.767

76, 2.020, 341.408

78, 10.750,
342.265

67, 67.511,
149.743

80, 19.321,
342.926

66, 72.187,
147.569

82, 27.693,
343.527

66, 73.205,
147.092

83, 33.400,
340.203

■ 83, 36.878,
333.859

Harmonies

Complementary

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



70, 32.944, 157.876



57, 34.127, 344.875

Rectangle

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



70, 32.944, 157.876



70, 32.944, 207.876



70, 32.944, 337.876



70, 32.944, 27.876

Sweetspot

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



70, 32.945, 157.875



93, 12.068, 160.556



72, 39.379, 125.496



50, 8.176, 160.434



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, 32.945, 157.875



88, 48.311, 156.882



71, 23.376, 192.841



38, 4.960, 160.720



56, 63.801, 147.426



8, 14.839, 155.968

Inverse Universe

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



57, 34.127, 344.875



69, 50.256, 345.838



56, 29.635, 19.163



36, 5.012, 342.117



33, 59.256, 357.457



3, 12.522, 348.328

Previews

White Background



This preview shows how the CIELCh color 70, 32.944, 157.876 looks on a white background.

Color Contrast Check

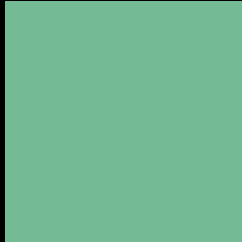
Large Text (above 18pt) WCAG AA × Fail

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, 32.944, 157.876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

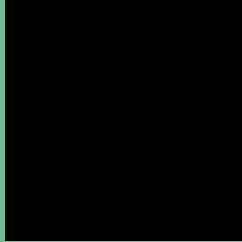
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 32.944, 157.876

Background



This preview shows how black text looks on a background with the CIELCh color 70, 32.944, 157.876.



This preview shows how white text looks on a background with the CIELCh color 70, 32.944, 157.876.

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, 32.944, 157.876

Protanopia

70, 16.836, 94.580

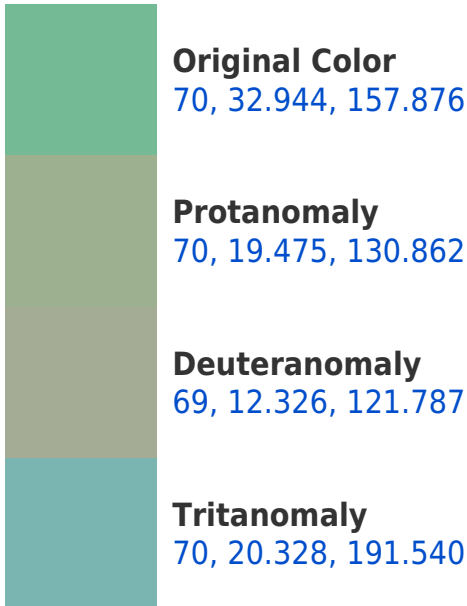
Deuteranopia

70, 13.383, 49.382

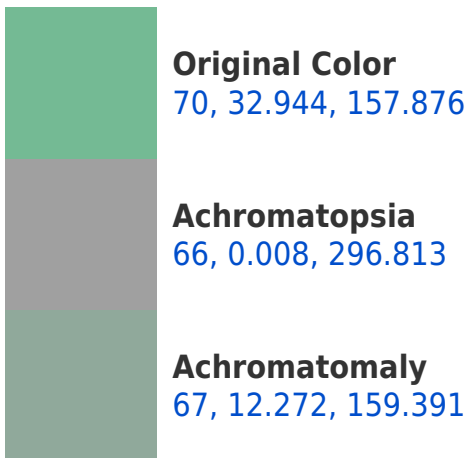


Tritanopia
70, 18.947, 224.078

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 32.944, 157.876 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(116, 186, 148)` looks like.

```
.text, #text, p{  
    color:rgb(116, 186, 148)  
}
```

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(116, 186, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 186, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 32.944, 157.876 is called "border". The border property can be set on classes, ids or directly on the HTML element.

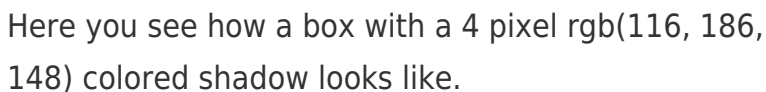
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 186, 148) }
```

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

```
.border{ border-color:rgb(116, 186, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 186, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 186, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 186, 148);  
box-shadow:4px 4px 4px 4px rgb(116, 186,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 32.944, 157.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 186, 148) }
```

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

```
.background{ background-color: rgb(116,  
186, 148) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor