

Converting Colors

CIELCh(70, 31.270, 162.397)

Have a look what the booklet for
CIELCh(70, 31.270, 162.397)
contains.

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Color

CIELCh(70, 31.004, 162.592)

Conversions

Conversions Part 1

Format	Color
Hex	72B999
RGB	114, 185, 153
RGB Percent	45%, 73%, 60%
CMY	0.5517, 0.2732, 0.3987
CMYK	0.38, 0.00, 0.17, 0.27
HSL	153°, 34%, 59%
HSV	153°, 38%, 73%
XYZ	30.1783, 40.7494, 36.5525
YIQ	160.1230, -32.0440, -25.0040

Conversions

Conversions Part 2

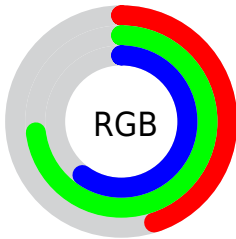
Format	Color
RYB	114, 160, 185
Decimal	7518617
CIELab	70.00, -29.58, 9.28
CIElCh	70, 31.004, 162.592
Yxy	40.7494, 0.2808, 0.3791
Android (android.graphics.Color)	4285708697 (0xFF72B999)
YUV	160.1230, -3.5116, -40.4499
Hunter-Lab	63.8353, -27.3253, 10.7348

Details

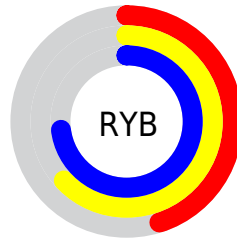
The CIELCh color $70, 31.004, 162.592$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $57, 32.879, 350.347$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $90, 30.982, 162.640$, and $50, 30.775, 162.901$ is the 20% darker color. If you saturate the color by 10%, you get $69, 38.433, 161.304$, and if you desaturate by 10%, it is $71, 23.180, 163.740$.

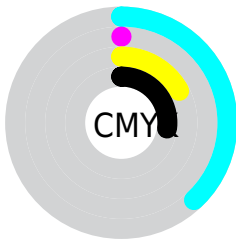
Distribution



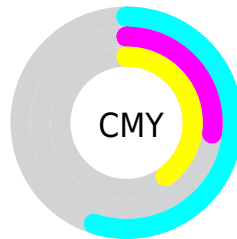
- Red (45%)
- Green (73%)
- Blue (60%)



- Red (45%)
- Yellow (63%)
- Blue (73%)



- Cyan (38%)
- Magenta (0%)
- Yellow (17%)
- Black (27%)





- Cyan (55%)
- Magenta (27%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 31.004, 162.592 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, 31.004, 162.592 by changing the saturation by 10% instead.


 70, 31.004,
162.592


 70, 31.004,
162.592


 100, 31.004,
162.592


 60, 31.004,
162.592


 90, 31.004,
162.592

 50, 31.004,
162.592

 40, 31.004,
162.592

 30, 31.004,
162.592

 20, 31.004,
162.592

 10, 31.004,
162.592

 0, 31.004, 162.592

70, 31.004,
162.592

70, 31.004,
162.592

69, 38.433,
161.304

71, 23.180,
163.740

68, 45.328,
159.853

72, 15.093,
164.776

68, 51.568,
158.216

74, 6.866, 165.736

67, 57.066,
156.373

76, 1.398, 346.237

77, 9.614, 347.260

67, 61.793,
154.320

79, 17.720,
347.999

66, 65.839,
152.109

81, 25.671,
348.678

66, 66.497,
151.749

83, 31.166,
346.177

■ 83, 33.660,
339.897

Harmonies

Complementary

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



70, 31.004, 162.592



57, 32.879, 350.347

Rectangle

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



70, 31.004, 162.592



70, 31.004, 212.592



70, 31.004, 342.592



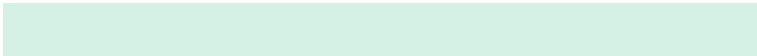
70, 31.004, 32.592

Sweetspot

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



70, 31.005, 162.591



93, 11.193, 165.464



71, 40.819, 128.464



49, 7.515, 165.337



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70, 31.005, 162.591



87, 45.235, 161.516



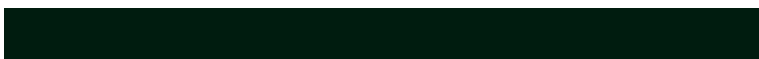
70, 22.493, 200.990



38, 4.642, 165.639



56, 58.036, 152.087



8, 13.967, 159.779

Inverse Universe

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



57, 32.879, 350.347



68, 48.463, 351.554



56, 29.550, 25.342



36, 4.714, 347.144



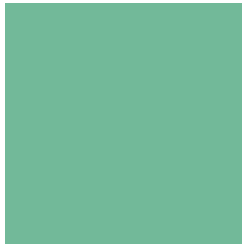
33, 58.363, 6.031



2, 11.895, 353.587

Previews

White Background



This preview shows how the CIELCh color 70, 31.004, 162.592 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, 31.004, 162.592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

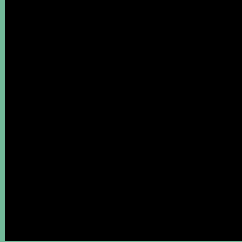
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 31.004, 162.592

Background



This preview shows how black text looks on a background with the CIELCh color 70, 31.004, 162.592.

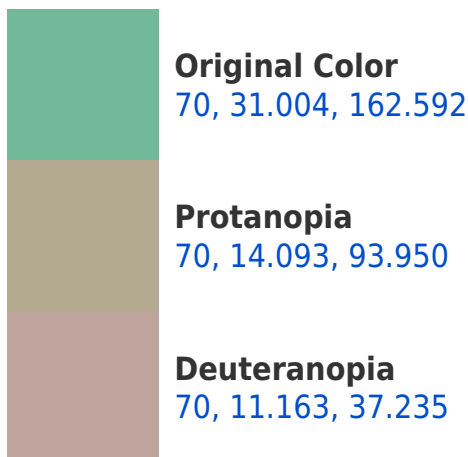


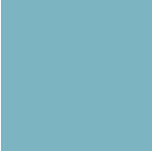
This preview shows how white text looks on a background with the CIELCh color 70, 31.004, 162.592.

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





Tritanopia
70, 19.566, 221.345

Trichromacy



Original Color
70, 31.004, 162.592

Protanomaly
70, 17.352, 136.581

Deuteranomaly
69, 9.433, 130.845

Tritanomaly
70, 21.076, 193.222

Monochromacy



Original Color
70, 31.004, 162.592

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 11.541, 166.679

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 31.004, 162.592 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(114, 185, 153)` looks like.

```
.text, #text, p{  
    color:rgb(114, 185, 153)  
}
```

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(114, 185, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 185, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 31.004, 162.592 is called "border". The border property can be set on classes, ids or directly on the HTML element.

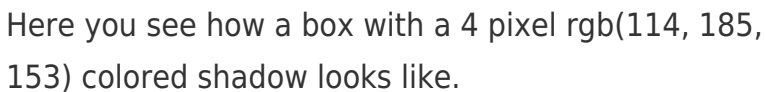
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(114, 185, 153) }
```

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

```
.border{ border-color:rgb(114, 185, 153) }
```

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



Here you see how a box with a 4 pixel `rgb(114, 185, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 185, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 185, 153);  
box-shadow:4px 4px 4px 4px rgb(114, 185,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 31.004, 162.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 185, 153) }
```

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

```
.background{ background-color: rgb(114,  
185, 153) }
```

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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