

Converting Colors

CIELCh(70, 30.933, 196.281)

Have a look what the booklet for
CIELCh(70, 30.933, 196.281)
contains.

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Color

CIELCh(70, 31.037, 195.993)

Conversions

Conversions Part 1

Format	Color
Hex	54BBBA
RGB	84, 187, 186
RGB Percent	33%, 73%, 73%
CMY	0.6724, 0.2683, 0.2722
CMYK	0.55, 0.00, 0.01, 0.27
HSL	179°, 43%, 53%
HSV	179°, 55%, 73%
XYZ	30.1116, 40.7494, 52.4969
YIQ	156.0890, -61.0670, -22.1470

Conversions

Conversions Part 2

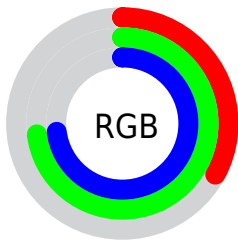
Format	Color
RYB	84, 136, 187
Decimal	5553082
CIELab	70.00, -29.84, -8.55
CIElCh	70, 31.037, 195.993
Yxy	40.7494, 0.2441, 0.3303
Android (android.graphics.Color)	4283743162 (0xFF54BBBA)
YUV	156.0890, 14.7461, -63.2221
Hunter-Lab	63.8353, -27.5120, -4.0743

Details

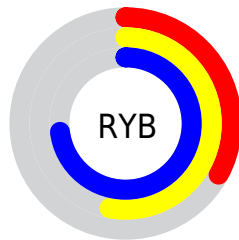
The CIELCh color **70, 31.037, 195.993** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **49, 46.193, 25.515**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 31.103, 195.498**, and **50, 30.906, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **69, 34.431, 195.670**, and if you desaturate by 10%, it is **71, 26.827, 196.365**.

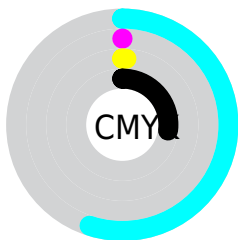
Distribution



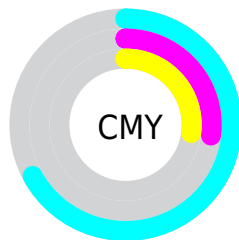
- Red (33%)
- Green (73%)
- Blue (73%)



- Red (33%)
- Yellow (53%)
- Blue (73%)



- Cyan (55%)
- Magenta (0%)
- Yellow (1%)
- Black (27%)





- Cyan (67%)
- Magenta (27%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 31.037, 195.993 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, 31.037, 195.993 by changing the saturation by 10% instead.


 70, 31.037,
195.993


 70, 31.037,
195.993


 100, 31.037,
195.993


 60, 31.037,
195.993


 90, 31.037,
195.993

 50, 31.037,
195.993

 40, 31.037,
195.993

 30, 31.037,
195.993

 20, 31.037,
195.993

 10, 31.037,
195.993

 0, 31.037, 195.993

70, 31.037,
195.993

70, 31.037,
195.993

69, 34.431,
195.670

71, 26.827,
196.365

69, 36.973,
195.400

72, 21.875,
196.792

69, 38.675,
195.177

73, 16.275,
197.271

69, 39.609,
194.992

74, 10.136,
197.803

69, 39.909,
194.911

75, 3.568, 198.447

76, 3.325, 18.722

78, 10.452, 19.431

80, 17.733, 20.070

82, 25.103, 20.707

Harmonies

Complementary

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



70, 31.037, 195.993



49, 46.193, 25.515

Rectangle

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



70, 31.037, 195.993



70, 31.037, 245.993



70, 31.037, 15.993



70, 31.037, 65.993

Sweetspot

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



70, 31.037, 195.991



93, 13.908, 197.689



68, 66.050, 139.515



50, 9.321, 197.579



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, 31.037, 195.991



88, 42.534, 195.617



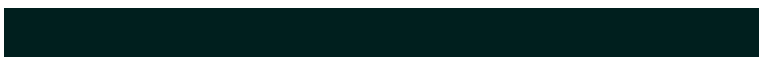
55, 31.590, 264.424



39, 3.866, 198.152



59, 35.306, 194.930



9, 11.707, 195.648

Inverse Universe

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



49, 46.193, 25.515



58, 69.750, 28.732



60, 37.742, 66.900



37, 4.095, 19.134



32, 72.425, 39.278



3, 12.254, 18.847

Previews

White Background



This preview shows how the CIE LCh color 70, 31.037, 195.993 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, 31.037, 195.993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

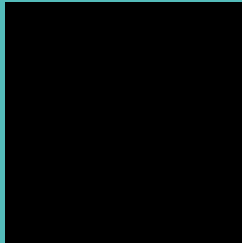
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

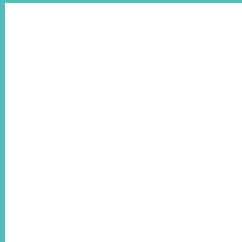
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 31.037, 195.993

Background



This preview shows how black text looks on a background with the CIELCh color 70, 31.037, 195.993.

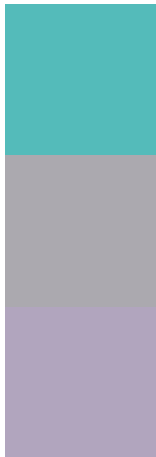


This preview shows how white text looks on a background with the CIELCh color 70, 31.037, 195.993.

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, 31.037, 195.993

Protanopia
70, 3.390, 303.214

Deuteranopia
69, 14.468, 308.966



Tritanopia
70, 28.714, 214.191

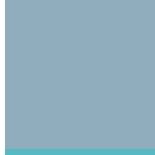
Trichromacy



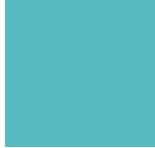
Original Color
70, 31.037, 195.993



Protanomaly
69, 12.765, 208.390



Deuteranomaly
69, 13.015, 238.229



Tritanomaly
70, 29.256, 207.042

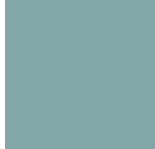
Monochromacy



Original Color
70, 31.037, 195.993



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 13.181, 198.308

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 31.037, 195.993 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(84, 187, 186)` looks like.

```
.text, #text, p{  
    color:rgb(84, 187, 186)  
}
```

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(84, 187, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 187, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 31.037, 195.993 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(84, 187, 186) }
```

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

```
.border{ border-color:rgb(84, 187, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 187, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 187, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 187, 186);  
box-shadow:4px 4px 4px 4px rgb(84, 187,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 31.037, 195.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 187, 186) }
```

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

```
.background{ background-color: rgb(84, 187,  
186) }
```

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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