

Converting Colors

CIELCh(70, 33.546, 207.405)

Have a look what the booklet for
CIELCh(70, 33.546, 207.405)
contains.

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Color

CIELCh(70, 33.462, 207.458)

Conversions

Conversions Part 1

Format	Color
Hex	41BBC6
RGB	65, 187, 198
RGB Percent	25%, 73%, 78%
CMY	0.7450, 0.2666, 0.2235
CMYK	0.67, 0.06, 0.00, 0.22
HSL	185°, 54%, 52%
HSV	185°, 67%, 78%
XYZ	30.1495, 40.7494, 59.7114
YIQ	151.7760, -76.2430, -22.4430

Conversions

Conversions Part 2

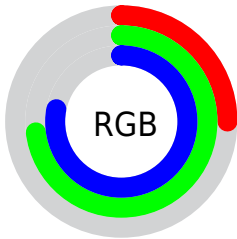
Format	Color
R _Y B	65, 129, 198
Decimal	4307910
CIE Lab	70.00, -29.69, -15.43
CIE LCh	70, 33.462, 207.458
Yxy	40.7494, 0.2308, 0.3120
Android (android.graphics.Color)	4282497990 (0xFF41BBC6)
YUV	151.7760, 22.7884, -76.1026
Hunter-Lab	63.8353, -27.4058, -10.7750

Details

The CIELCh color **70, 33.462, 207.458** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **49, 57.668, 33.650**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 33.587, 207.278**, and **50, 29.812, 209.275** is the 20% darker color. If you saturate the color by 10%, you get **69, 35.576, 208.200**, and if you desaturate by 10%, it is **71, 30.473, 206.940**.

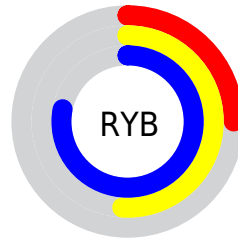
Distribution



Red (25%)

Green (73%)

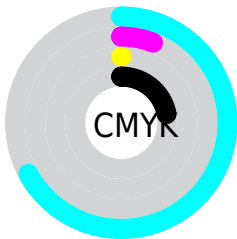
Blue (78%)



Red (25%)

Yellow (51%)

Blue (78%)

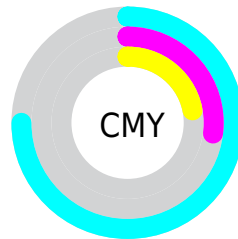


Cyan (67%)

Magenta (6%)

Yellow (0%)

Black (22%)



Cyan (75%)


Magenta (27%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 33.462, 207.458 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, 33.462, 207.458 by changing the saturation by 10% instead.


 70, 33.462,
207.458


 70, 33.462,
207.458


 100, 33.462,
207.458


 60, 33.462,
207.458


 90, 33.462,
207.458

 50, 33.462,
207.458

 40, 33.462,
207.458

 30, 33.462,
207.458

 20, 33.462,
207.458

 10, 33.462,
207.458

 0, 33.462, 207.458

70, 33.462,
207.458

70, 33.462,
207.458

69, 35.576,
208.200

71, 30.473,
206.940

68, 36.834,
209.201

72, 26.647,
206.621

68, 37.337,
210.469

74, 22.057,
206.470

68, 37.423,
210.851

75, 16.799,
206.460

77, 10.981,
206.573

79, 4.712, 206.826

80, 1.911, 26.678

82, 8.798, 27.218

Harmonies

Complementary

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



70, 33.462, 207.458



49, 57.668, 33.650

Rectangle

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



70, 33.462, 207.458



70, 33.462, 257.458



70, 33.462, 27.458



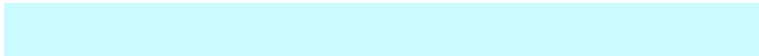
70, 33.462, 77.458

Sweetspot

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



70, 33.461, 207.457



96, 15.560, 206.525



71, 78.549, 139.993



50, 10.514, 206.491



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 33.461, 207.457



86, 43.932, 208.672



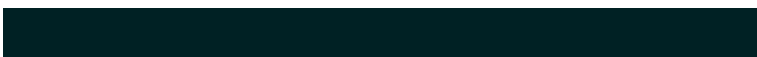
51, 45.172, 277.134



41, 3.724, 206.751



56, 32.456, 210.627



11, 11.958, 207.208

Inverse Universe

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



51, 76.016, 330.452



61, 103.132, 331.125



63, 49.921, 73.125



39, 6.976, 327.263



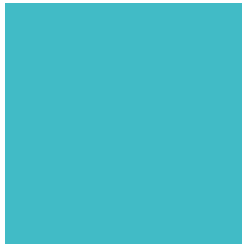
38, 77.607, 331.788



4, 24.904, 329.901

Previews

White Background



This preview shows how the CIELCh color 70, 33.462, 207.458 looks on a white background.

Color Contrast Check

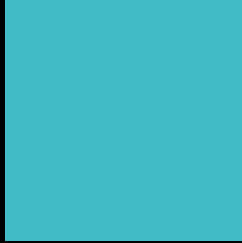
Large Text (above 18pt) WCAG AA × Fail

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, 33.462, 207.458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

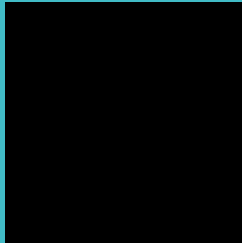
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

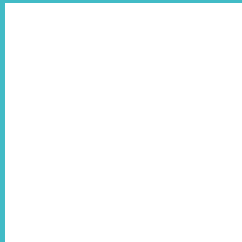
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 33.462, 207.458

Background



This preview shows how black text looks on a background with the CIELCh color 70, 33.462, 207.458.



This preview shows how white text looks on a background with the CIELCh color 70, 33.462, 207.458.

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](#).

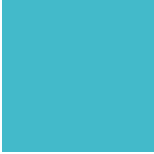
Dichromacy



Original Color
70, 33.462, 207.458

Protanopia
70, 9.328, 288.897

Deuteranopia
70, 20.402, 296.076



Tritanopia
70, 32.940, 212.699

Trichromacy



Original Color
70, 33.462, 207.458



Protanomaly
69, 16.677, 225.971



Deuteranomaly
69, 19.743, 247.703



Tritanomaly
70, 33.074, 211.613

Monochromacy



Original Color
70, 33.462, 207.458



Achromatopsia
63, 0.008, 296.813



Achromatomaly
65, 15.687, 206.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 33.462, 207.458 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(65, 187, 198)` looks like.

```
.text, #text, p{  
    color:rgb(65, 187, 198)  
}
```

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(65, 187, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 187, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 33.462, 207.458 is called "border". The border property can be set on classes, ids or directly on the HTML element.

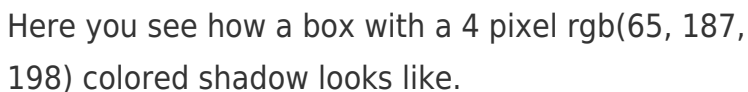
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(65, 187, 198) }
```

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

```
.border{ border-color:rgb(65, 187, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(65, 187, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 187, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 187, 198);  
box-shadow:4px 4px 4px 4px rgb(65, 187,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 33.462, 207.458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 187, 198) }
```

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

```
.background{ background-color: rgb(65, 187,  
198) }
```

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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