

Converting Colors

CIELCh(68, 32.421, 202.842)

Have a look what the booklet for
CIELCh(68, 32.421, 202.842)
contains.

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Color

CIELCh(68, 32.382, 202.849)

Conversions

Conversions Part 1

Format	Color
Hex	42B5BB
RGB	66, 181, 187
RGB Percent	26%, 71%, 73%
CMY	0.7394, 0.2888, 0.2652
CMYK	0.65, 0.03, 0.00, 0.27
HSL	183°, 48%, 50%
HSV	183°, 65%, 73%
XYZ	27.8828, 37.9720, 53.0760
YIQ	147.2990, -70.4660, -22.5140

Conversions

Conversions Part 2

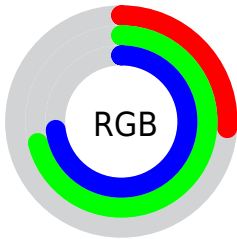
Format	Color
RYB	66, 125, 187
Decimal	4371899
CIELab	68.00, -29.84, -12.57
CIELCh	68, 32.382, 202.849
Yxy	37.9720, 0.2344, 0.3193
Android (android.graphics.Color)	4282561979 (0xFF42B5BB)
YUV	147.2990, 19.5726, -71.2992
Hunter-Lab	61.6215, -27.0688, -7.9328

Details

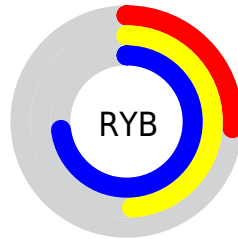
The CIELCh color **68, 32.382, 202.849** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **47, 53.707, 31.172**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 32.363, 202.976**, and **48, 29.300, 203.553** is the 20% darker color. If you saturate the color by 10%, you get **67, 34.740, 203.143**, and if you desaturate by 10%, it is **69, 29.181, 202.701**.

Distribution



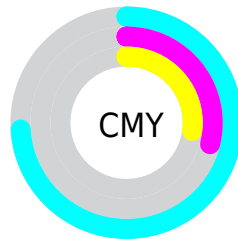
- Red (26%)
- Green (71%)
- Blue (73%)



- Red (26%)
- Yellow (49%)
- Blue (73%)



- Cyan (65%)
- Magenta (3%)
- Yellow (0%)
- Black (27%)




- Cyan (74%)
- Magenta (29%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 32.382, 202.849 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 68, 32.382, 202.849 by changing the saturation by 10% instead.

 68, 32.382,
202.849

 68, 32.382,
202.849

 100, 32.382,
202.849

 58, 32.382,
202.849


 88, 32.382,
202.849

 48, 32.382,
202.849

 98, 32.382,
202.849

 38, 32.382,
202.849

 28, 32.382,
202.849

 18, 32.382,
202.849

 8, 32.382, 202.849

 0, 32.382, 202.849

68, 32.382,
202.849

68, 32.382,
202.849

67, 34.740,
203.143

69, 29.181,
202.701

67, 36.258,
203.601

70, 25.180,
202.687

66, 36.999,
204.231

71, 20.458,
202.790

66, 37.209,
204.622

72, 15.110,
202.994

74, 9.241, 203.292

75, 2.957, 203.756

77, 3.646, 23.827

79, 10.484, 24.356

81, 17.483, 24.840

Harmonies

Complementary

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



68, 32.382, 202.849



47, 53.707, 31.172

Rectangle

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



68, 32.382, 202.849



68, 32.382, 252.849



68, 32.382, 22.849



68, 32.382, 72.849

Sweetspot

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



68, 32.382, 202.848



93, 14.799, 203.138



68, 74.296, 139.540



49, 10.086, 203.056



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



68, 32.382, 202.848



86, 43.277, 203.295



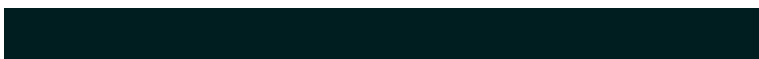
51, 39.445, 272.898



39, 3.677, 203.493



56, 32.842, 204.509



9, 10.906, 203.245

Inverse Universe

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



49, 72.299, 329.175



60, 99.841, 329.696



59, 45.392, 70.459



37, 6.834, 326.294



37, 77.801, 330.282



3, 20.471, 327.225

Previews

White Background



This preview shows how the CIE LCh color 68, 32.382, 202.849 looks on a white background.

Color Contrast Check

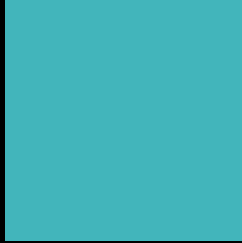
Large Text (above 18pt) WCAG AA × Fail

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 68, 32.382, 202.849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

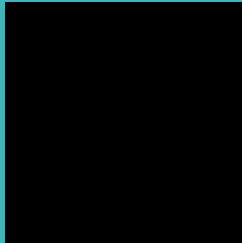
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

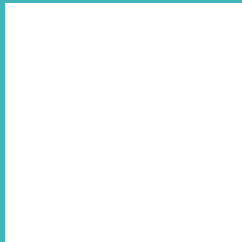
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 32.382, 202.849

Background



This preview shows how black text looks on a background with the CIELCh color 68, 32.382, 202.849.



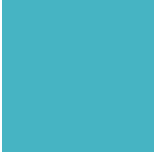
This preview shows how white text looks on a background with the CIELCh color 68, 32.382, 202.849.

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
68, 31.299, 212.629

Trichromacy



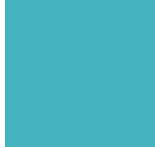
Original Color
68, 32.382, 202.849



Protanomaly
67, 14.924, 220.215



Deuteranomaly
67, 17.217, 243.884



Tritanomaly
68, 31.446, 209.355

Monochromacy



Original Color
68, 32.382, 202.849



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 14.795, 202.512

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 32.382, 202.849 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(66, 181, 187)` looks like.

```
.text, #text, p{  
    color:rgb(66, 181, 187)  
}
```

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(66, 181, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 181, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 32.382, 202.849 is called "border". The border property can be set on classes, ids or directly on the HTML element.

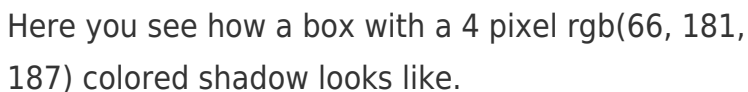
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(66, 181, 187) }
```

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

```
.border{ border-color:rgb(66, 181, 187) }
```

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



Here you see how a box with a 4 pixel `rgb(66, 181, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 181, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 181, 187);  
box-shadow:4px 4px 4px 4px rgb(66, 181,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 32.382, 202.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 181, 187) }
```

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

```
.background{ background-color: rgb(66, 181,  
187) }
```

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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