

Converting Colors

CIELCh(67, 33.368, 202.681)

Have a look what the booklet for
CIELCh(67, 33.368, 202.681)
contains.

CIELCh(67, 33.350, 202.599)	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(67, 33.350, 202.599)

Conversions

Conversions Part 1

Format	Color
Hex	39B3B9
RGB	57, 179, 185
RGB Percent	22%, 70%, 73%
CMY	0.7762, 0.2979, 0.2744
CMYK	0.69, 0.03, 0.00, 0.27
HSL	183°, 53%, 47%
HSV	183°, 69%, 73%
XYZ	26.5797, 36.6320, 51.5904
YIQ	143.2060, -74.6380, -23.9980

Conversions

Conversions Part 2

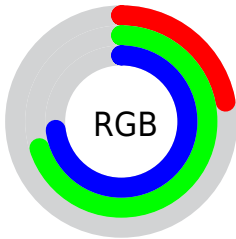
Format	Color
RYB	57, 119, 185
Decimal	3781561
CIELab	67.00, -30.79, -12.82
CIElCh	67, 33.350, 202.599
Yxy	36.6320, 0.2315, 0.3191
Android (android.graphics.Color)	4281971641 (0xFF39B3B9)
YUV	143.2060, 20.6044, -75.6027
Hunter-Lab	60.5244, -27.5282, -8.1712

Details

The CIELCh color **67, 33.350, 202.599** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **44, 57.611, 32.176**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 33.221, 202.775**, and **48, 28.962, 203.658** is the 20% darker color. If you saturate the color by 10%, you get **66, 35.310, 202.934**, and if you desaturate by 10%, it is **68, 30.550, 202.411**.

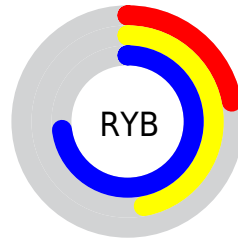
Distribution



Red (22%)

Green (70%)

Blue (73%)



Red (22%)

Yellow (47%)

Blue (73%)

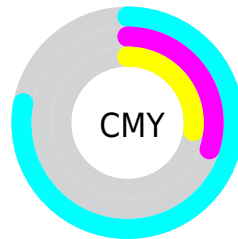


Cyan (69%)

Magenta (3%)

Yellow (0%)

Black (27%)



Cyan (78%)


Magenta (30%)


Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 33.350, 202.599 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 67, 33.350, 202.599 by changing the saturation by 10% instead.

 67, 33.350,
202.599


 67, 33.350,
202.599


 100, 33.350,
202.599


 57, 33.350,
202.599


 87, 33.350,
202.599

 47, 33.350,
202.599

 97, 33.350,
202.599

 37, 33.350,
202.599

 27, 33.350,
202.599

 17, 33.350,
202.599

 7, 33.350, 202.599

 0, 33.350, 202.599

67, 33.350,
202.599

67, 33.350,
202.599

66, 35.310,
202.934

68, 30.550,
202.411

66, 36.459,
203.430

69, 26.933,
202.360

66, 36.955,
204.072

70, 22.563,
202.430

66, 36.989,
204.128

71, 17.527,
202.604

72, 11.927,
202.871

74, 5.868, 203.241

75, 0.551, 22.581

77, 7.238, 23.887

Harmonies

Complementary

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



67, 33.350, 202.599



44, 57.611, 32.176

Rectangle

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



67, 33.350, 202.599



67, 33.350, 252.599



67, 33.350, 22.599



67, 33.350, 72.599

Sweetspot

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



67, 33.350, 202.598



91, 16.018, 202.805



66, 77.590, 138.993



48, 10.735, 202.728



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



67, 33.350, 202.598



84, 43.717, 203.171



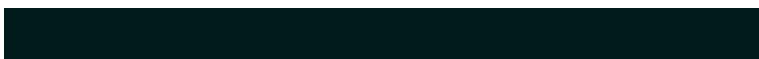
48, 41.790, 274.517



38, 3.604, 203.234



56, 32.560, 204.019



8, 9.773, 204.336

Inverse Universe

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



48, 75.295, 329.267



58, 101.804, 329.784



57, 48.359, 69.781



36, 6.693, 326.214



36, 77.045, 330.161



3, 17.950, 326.565

Previews

White Background



This preview shows how the CIE LCh color 67, 33.350, 202.599 looks on a white background.

Color Contrast Check

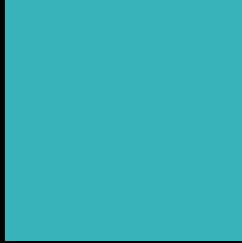
Large Text (above 18pt) WCAG AA × Fail

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 67, 33.350, 202.599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

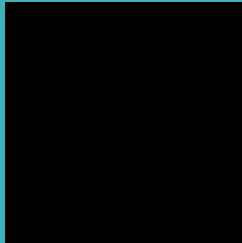
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

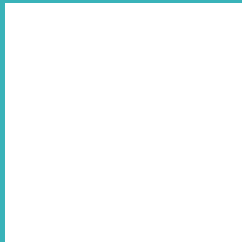
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 33.350, 202.599

Background



This preview shows how black text looks on a background with the CIELCh color 67, 33.350, 202.599.

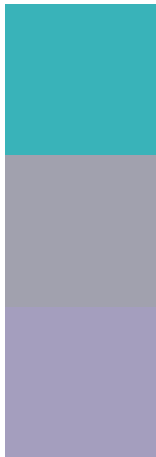


This preview shows how white text looks on a background with the CIELCh color 67, 33.350, 202.599.

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
67, 33.350, 202.599

Protanopia
67, 7.198, 290.931

Deuteranopia
67, 17.905, 298.800

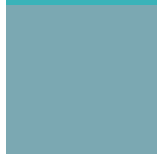


Tritanopia
67, 32.271, 211.059

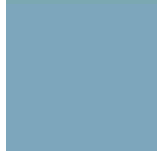
Trichromacy



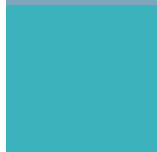
Original Color
67, 33.350, 202.599



Protanomaly
66, 16.091, 218.515



Deuteranomaly
66, 17.888, 241.842

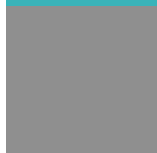


Tritanomaly
67, 32.458, 207.881

Monochromacy



Original Color
67, 33.350, 202.599



Achromatopsia
59, 0.008, 296.813



Achromatomaly
61, 15.459, 202.263

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 33.350, 202.599 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(57, 179, 185)` looks like.

```
.text, #text, p{  
    color:rgb(57, 179, 185)  
}
```

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(57, 179, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 179, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 33.350, 202.599 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(57, 179, 185) }
```

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

```
.border{ border-color:rgb(57, 179, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 179, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 179, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 179, 185);  
box-shadow:4px 4px 4px 4px rgb(57, 179,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 33.350, 202.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 179, 185) }
```

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

```
.background{ background-color: rgb(57, 179,  
185) }
```

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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