

Converting Colors

CIELCh(66, 35.536, 209.530)

Have a look what the booklet for
CIELCh(66, 35.536, 209.530)
contains.

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Color

CIELCh(66, 35.570, 209.511)

Conversions

Conversions Part 1

Format	Color
Hex	1BB1BF
RGB	27, 177, 191
RGB Percent	11%, 69%, 75%
CMY	0.8928, 0.3069, 0.2520
CMYK	0.86, 0.07, 0.00, 0.25
HSL	185°, 75%, 43%
HSV	185°, 86%, 75%
XYZ	25.5029, 35.3238, 54.6070
YIQ	133.7460, -93.8940, -27.4460

Conversions

Conversions Part 2

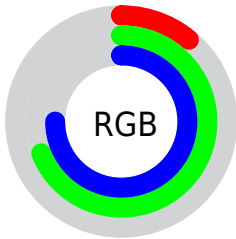
Format	Color
RYB	27, 105, 191
Decimal	1814975
CIELab	66.00, -30.96, -17.52
CIELCh	66, 35.570, 209.511
Yxy	35.3238, 0.2209, 0.3060
Android (android.graphics.Color)	4280005055 (0xFF1BB1BF)
YUV	133.7460, 28.2262, -93.6162
Hunter-Lab	59.4338, -27.4153, -12.8711

Details

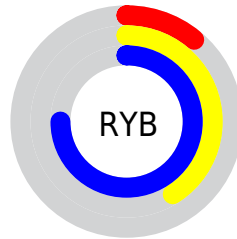
The CIELCh color **66, 35.570, 209.511** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **42, 72.993, 38.123**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 35.566, 209.272**, and **47, 28.292, 214.008** is the 20% darker color. If you saturate the color by 10%, you get **65, 36.161, 210.788**, and if you desaturate by 10%, it is **67, 34.217, 208.513**.

Distribution



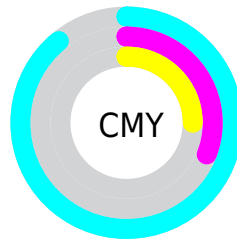
- Red (11%)
- Green (69%)
- Blue (75%)



- Red (11%)
- Yellow (41%)
- Blue (75%)



- Cyan (86%)
- Magenta (7%)
- Yellow (0%)
- Black (25%)





- Cyan (89%)
- Magenta (31%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 35.570, 209.511 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 66, 35.570, 209.511 by changing the saturation by 10% instead.


 66, 35.570,
209.511


 66, 35.570,
209.511


 100, 35.570,
209.511


 56, 35.570,
209.511


 86, 35.570,
209.511

 46, 35.570,
209.511

 96, 35.570,
209.511

 36, 35.570,
209.511

 26, 35.570,
209.511

 16, 35.570,
209.511

 6, 35.570, 209.511

 0, 35.570, 209.511

■ 66, 35.570,
209.511

■ 66, 35.570,
209.511

■ 65, 36.161,
210.788

■ 67, 34.217,
208.513

■ 65, 36.299,
211.391

■ 68, 32.030,
207.774

■ 69, 29.002,
207.264

■ 70, 25.175,
206.950

■ 71, 20.624,
206.802

■ 73, 15.446,
206.795

■ 74, 9.743, 206.912

■ 76, 3.620, 207.190

Harmonies

Complementary

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



66, 35.570, 209.511



42, 72.993, 38.123

Rectangle

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



66, 35.570, 209.511



66, 35.570, 259.511



66, 35.570, 29.511



66, 35.570, 79.511

Sweetspot

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



66, 35.569, 209.510



92, 19.272, 206.792



68, 88.913, 138.062



49, 12.996, 206.783



99, 0.012, 296.813



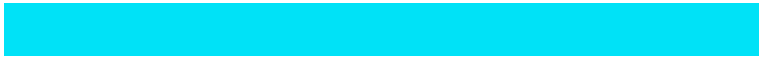
52, 0.007, 296.813

Same Dimension

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



66, 35.569, 209.510



82, 44.075, 211.658



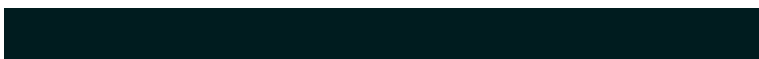
42, 57.882, 285.569



39, 3.556, 207.055



55, 31.627, 211.157



8, 10.413, 208.672

Inverse Universe

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



46, 83.960, 331.384



57, 105.461, 332.040



57, 60.834, 71.344



37, 6.666, 327.348



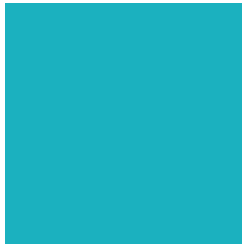
37, 75.653, 331.917



3, 19.752, 328.665

Previews

White Background



This preview shows how the CIE LCh color 66, 35.570, 209.511 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 66, 35.570, 209.511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

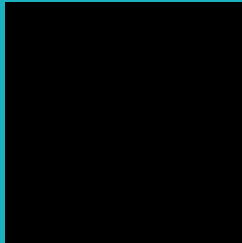
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

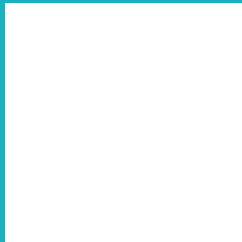
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 35.570, 209.511

Background



This preview shows how black text looks on a background with the CIELCh color 66, 35.570, 209.511.

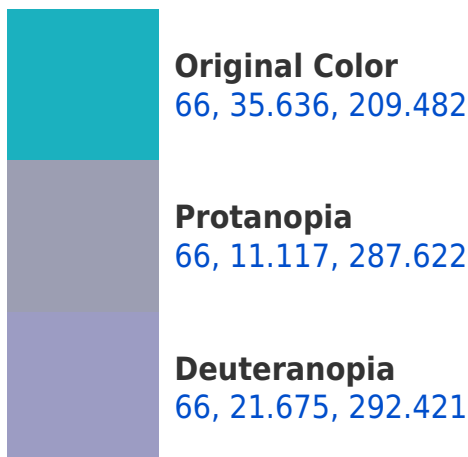


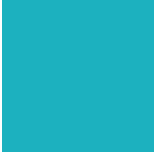
This preview shows how white text looks on a background with the CIELCh color 66, 35.570, 209.511.

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
66, 35.570, 209.511

Trichromacy



Original Color
66, 35.636, 209.482



Protanomaly
65, 20.314, 227.886



Deuteranomaly
65, 23.030, 243.226



Tritanomaly
66, 35.570, 209.511

Monochromacy



Original Color
66, 35.636, 209.482



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 18.736, 206.551

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 35.570, 209.511 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(27, 177, 191)` looks like.

```
.text, #text, p{  
    color:rgb(27, 177, 191)  
}
```

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(27, 177, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 177, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 35.570, 209.511 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(27, 177, 191) }
```

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

```
.border{ border-color:rgb(27, 177, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(27, 177, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 177, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 177, 191);  
box-shadow:4px 4px 4px 4px rgb(27, 177,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 35.570, 209.511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 177, 191) }
```

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

```
.background{ background-color: rgb(27, 177,  
191) }
```

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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