

Converting Colors

CIELCh(66, 36.315, 207.353)

Have a look what the booklet for
CIELCh(66, 36.315, 207.353)
contains.

CIELCh(66, 36.270, 207.369)	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(66, 36.270, 207.369)

Conversions

Conversions Part 1

Format	Color
Hex	12B1BD
RGB	18, 177, 189
RGB Percent	7%, 69%, 74%
CMY	0.9307, 0.3052, 0.2581
CMYK	0.91, 0.06, 0.00, 0.26
HSL	184°, 83%, 41%
HSV	184°, 91%, 74%
XYZ	25.2063, 35.3238, 53.7379
YIQ	130.8270, -98.6160, -29.9760

Conversions

Conversions Part 2

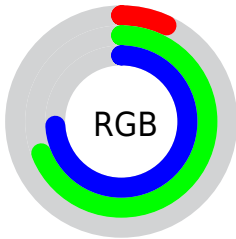
Format	Color
R _Y B	18, 100, 189
Decimal	1225149
CIE Lab	66.00, -32.21, -16.67
CIE LCh	66, 36.270, 207.369
Yxy	35.3238, 0.2206, 0.3091
Android (android.graphics.Color)	4279415229 (0xFF12B1BD)
YUV	130.8270, 28.6793, -98.9493
Hunter-Lab	59.4338, -28.3060, -12.0042

Details

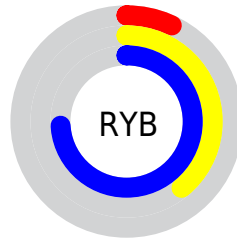
The CIELCh color **66, 36.270, 207.369** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **41, 76.820, 38.793**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 36.135, 207.308**, and **47, 28.299, 211.429** is the 20% darker color. If you saturate the color by 10%, you get **66, 36.635, 208.364**, and if you desaturate by 10%, it is **67, 35.289, 206.491**.

Distribution



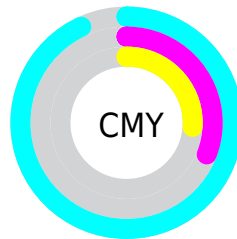
- Red (7%)
- Green (69%)
- Blue (74%)



- Red (7%)
- Yellow (39%)
- Blue (74%)



- Cyan (91%)
- Magenta (6%)
- Yellow (0%)
- Black (26%)





- Cyan (93%)
- Magenta (31%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 36.270, 207.369 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, 36.270, 207.369 by changing the saturation by 10% instead.


 66, 36.270,
207.369


 66, 36.270,
207.369


 100, 36.270,
207.369


 56, 36.270,
207.369


 86, 36.270,
207.369

 46, 36.270,
207.369

 96, 36.270,
207.369

 36, 36.270,
207.369

 26, 36.270,
207.369

 16, 36.270,
207.369

 6, 36.270, 207.369

 0, 36.270, 207.369

■ 66, 36.270,
207.369

■ 66, 36.270,
207.369

■ 66, 36.635,
208.364

■ 67, 35.289,
206.491

■ 67, 33.498,
205.839

■ 68, 30.860,
205.392

■ 69, 27.394,
205.125

■ 70, 23.159,
205.015

■ 72, 18.243,
205.039

■ 73, 12.746,
205.178

■ 75, 6.775, 205.429

Harmonies

Complementary

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



66, 36.270, 207.369



41, 76.820, 38.793

Rectangle

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



66, 36.270, 207.369



66, 36.270, 257.369



66, 36.270, 27.369



66, 36.270, 77.369

Sweetspot

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



66, 36.269, 207.368



91, 20.056, 205.072



67, 91.412, 137.244



48, 13.332, 205.037



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



66, 36.269, 207.368



83, 44.407, 208.574



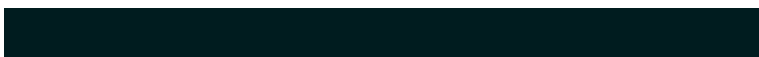
40, 59.264, 286.216



39, 3.607, 205.474



55, 32.110, 208.188



9, 10.621, 206.231

Inverse Universe

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



45, 85.839, 330.915



57, 105.962, 331.284



55, 62.944, 68.711



37, 6.739, 326.882



37, 76.581, 331.189



3, 20.063, 328.021

Previews

White Background



This preview shows how the CIELCh color 66, 36.270, 207.369 looks on a white background.

Color Contrast Check

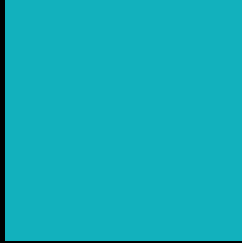
Large Text (above 18pt) WCAG AA × Fail

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, 36.270, 207.369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

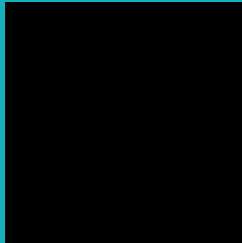
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 36.270, 207.369

Background



This preview shows how black text looks on a background with the CIELCh color 66, 36.270, 207.369.

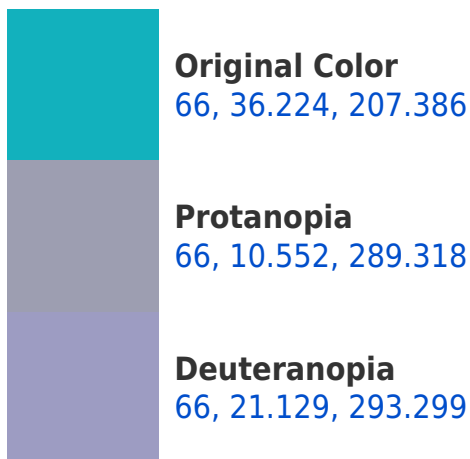


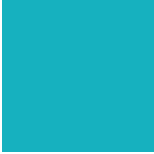
This preview shows how white text looks on a background with the CIELCh color 66, 36.270, 207.369.

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, 35.938, 209.352

Trichromacy



Original Color
66, 36.224, 207.386



Protanomaly
64, 20.679, 223.724



Deuteranomaly
65, 23.287, 240.660



Tritanomaly
66, 36.080, 208.364

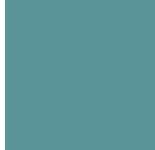
Monochromacy



Original Color
66, 36.224, 207.386



Achromatopsia
55, 0.007, 296.813



Achromatomaly
58, 19.587, 204.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 36.270, 207.369 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(18, 177, 189)` looks like.

```
.text, #text, p{  
    color:rgb(18, 177, 189)  
}
```

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(18, 177, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 177, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 36.270, 207.369 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(18, 177, 189) }
```

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

```
.border{ border-color:rgb(18, 177, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 177, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 177, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 177, 189);  
box-shadow:4px 4px 4px 4px rgb(18, 177,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 36.270, 207.369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 177, 189) }
```

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

```
.background{ background-color: rgb(18, 177,  
189) }
```

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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