

Converting Colors

CIELCh(60, 36.210, 189.223)

Have a look what the booklet for
CIELCh(60, 36.210, 189.223)
contains.

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Color

CIELCh(60, 36.307, 189.066)

Conversions

Conversions Part 1

Format	Color
Hex	12A29A
RGB	18, 162, 154
RGB Percent	7%, 64%, 60%
CMY	0.9305, 0.3665, 0.3978
CMYK	0.89, 0.00, 0.05, 0.37
HSL	177°, 80%, 35%
HSV	177°, 89%, 63%
XYZ	18.8792, 28.1233, 34.8100
YIQ	118.0320, -83.2560, -33.0160

Conversions

Conversions Part 2

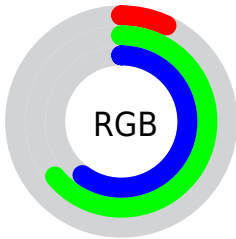
Format	Color
R_{YB}	18, 92, 162
Decimal	1221274
CIE _{Lab}	60.00, -35.85, -5.72
CIE _{LCh}	60, 36.307, 189.066
Yxy	28.1233, 0.2308, 0.3438
Android (android.graphics.Color)	4279411354 (0xFF12A29A)
YUV	118.0320, 17.7322, -87.7281
Hunter-Lab	53.0314, -29.2589, -1.7961

Details

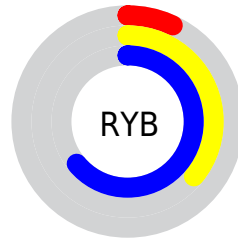
The CIELCh color **60, 36.307, 189.066** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **34, 65.777, 33.574**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 36.171, 189.193**, and **41, 28.007, 188.657** is the 20% darker color. If you saturate the color by 10%, you get **60, 37.232, 188.369**, and if you desaturate by 10%, it is **60, 34.808, 189.732**.

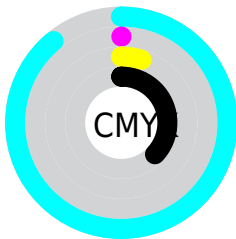
Distribution



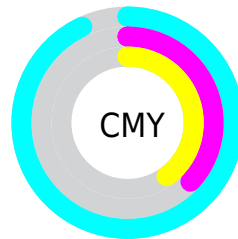
- Red (7%)
- Green (64%)
- Blue (60%)



- Red (7%)
- Yellow (36%)
- Blue (64%)



- Cyan (89%)
- Magenta (0%)
- Yellow (5%)
- Black (37%)





- Cyan (93%)
- Magenta (37%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 36.307, 189.066 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 60, 36.307, 189.066 by changing the saturation by 10% instead.


 60, 36.307,
189.066


 60, 36.307,
189.066


 100, 36.307,
189.066


 50, 36.307,
189.066


 80, 36.307,
189.066

 40, 36.307,
189.066

 90, 36.307,
189.066


 30, 36.307,
189.066

 20, 36.307,
189.066

 10, 36.307,
189.066

 0, 36.307, 189.066

 60, 36.307,

 60, 36.307,

189.066

189.066

■ 60, 37.232,
188.369

■ 60, 34.808,
189.732

■ 60, 37.315,
188.302

■ 61, 32.582,
190.374

■ 61, 29.610,
191.003

■ 62, 25.919,
191.629

■ 62, 21.571,
192.261

■ 63, 16.648,
192.906

■ 64, 11.248,
193.568

■ 65, 5.466, 194.272

Harmonies

Complementary

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



60, 36.307, 189.066



34, 65.777, 33.574

Rectangle

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



60, 36.307, 189.066



60, 36.307, 239.066



60, 36.307, 9.066



60, 36.307, 59.066

Sweetspot

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



60, 36.307, 189.065



80, 19.203, 193.006



58, 81.543, 136.027



42, 12.777, 192.799



92, 0.011, 296.813



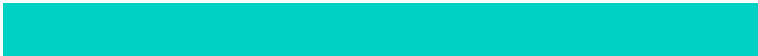
44, 0.006, 296.813

Same Dimension

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



60, 36.307, 189.065



76, 45.248, 188.160



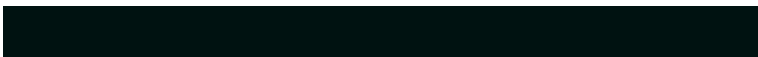
41, 40.058, 271.075



34, 3.452, 194.254



54, 34.519, 188.370



4, 5.502, 193.366

Inverse Universe

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



34, 65.777, 33.574



44, 87.784, 38.103



43, 56.445, 57.893



32, 3.635, 15.404



30, 66.147, 37.014



1, 5.484, 15.223

Previews

White Background



This preview shows how the CIE LCh color 60, 36.307, 189.066 looks on a white background.

Color Contrast Check

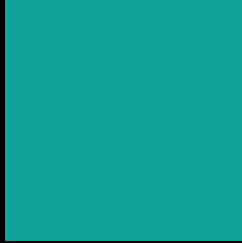
Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 36.307, 189.066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

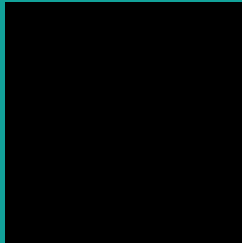
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 36.307, 189.066

Background



This preview shows how black text looks on a background with the CIELCh color 60, 36.307, 189.066.

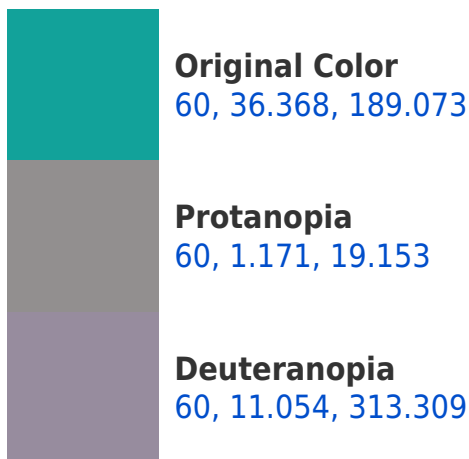


This preview shows how white text looks on a background with the CIELCh color 60, 36.307, 189.066.

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
60, 31.538, 210.501

Trichromacy



Original Color
60, 36.368, 189.073



Protanomaly
59, 18.072, 192.297



Deuteranomaly
58, 16.006, 214.683



Tritanomaly
60, 32.970, 201.608

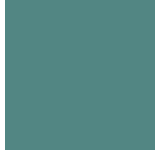
Monochromacy



Original Color
60, 36.368, 189.073



Achromatopsia
50, 0.007, 296.813



Achromatomaly
52, 18.488, 192.116

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 36.307, 189.066 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, 162, 154)` looks like.

```
.text, #text, p{  
    color:rgb(18, 162, 154)  
}
```

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, 162, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 162, 154) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 36.307, 189.066 is called "border". The border property can be set on classes, ids or directly on the HTML element.

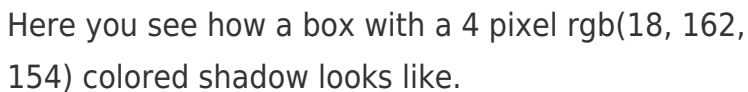
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(18, 162, 154) }
```

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

```
.border{ border-color:rgb(18, 162, 154) }
```

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



Here you see how a box with a 4 pixel `rgb(18, 162, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 162, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 162, 154);  
box-shadow:4px 4px 4px 4px rgb(18, 162,  
154) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 36.307, 189.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 162, 154) }
```

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

```
.background{ background-color: rgb(18, 162,  
154) }
```

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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