

Converting Colors

CIELCh(60, 45.552, 168.160)

Have a look what the booklet for
CIELCh(60, 45.552, 168.160)
contains.

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Color

CIELCh(60, 45.511, 168.229)

Conversions

Conversions Part 1

Format	Color
Hex	0DA47F
RGB	13, 164, 127
RGB Percent	5%, 64%, 50%
CMY	0.9504, 0.3573, 0.5024
CMYK	0.92, 0.00, 0.23, 0.36
HSL	165°, 86%, 35%
HSV	165°, 92%, 64%
XYZ	17.2400, 28.1233, 24.5629
YIQ	114.6330, -78.1190, -43.5190

Conversions

Conversions Part 2

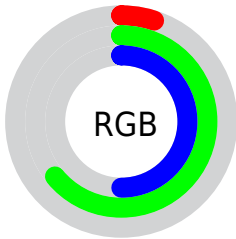
Format	Color
RYB	13, 99, 164
Decimal	894079
CIELab	60.00, -44.55, 9.28
CIElCh	60, 45.511, 168.229
Yxy	28.1233, 0.2465, 0.4022
Android (android.graphics.Color)	4279084159 (0xFF0DA47F)
YUV	114.6330, 6.0969, -89.1321
Hunter-Lab	53.0314, -34.7766, 9.6603

Details

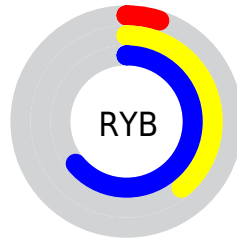
The CIELCh color **60, 45.511, 168.229** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **35, 61.439, 21.446**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **80, 45.583, 168.374**, and **41, 37.498, 163.153** is the 20% darker color. If you saturate the color by 10%, you get **60, 47.153, 166.766**, and if you desaturate by 10%, it is **60, 42.989, 170.052**.

Distribution



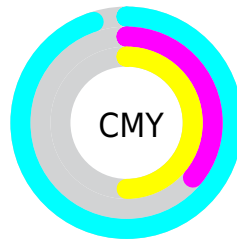
- Red (5%)
- Green (64%)
- Blue (50%)



- Red (5%)
- Yellow (39%)
- Blue (64%)



- Cyan (92%)
- Magenta (0%)
- Yellow (23%)
- Black (36%)





- Cyan (95%)
- Magenta (36%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 45.511, 168.229 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, 45.511, 168.229 by changing the saturation by 10% instead.


 60, 45.511,
168.229


 60, 45.511,
168.229


 100, 45.511,
168.229


 50, 45.511,
168.229


 80, 45.511,
168.229


 40, 45.511,
168.229

 90, 45.511,
168.229

 30, 45.511,
168.229

 20, 45.511,
168.229

 10, 45.511,
168.229

 0, 45.511, 168.229

 60, 45.511,

 60, 45.511,

168.229

168.229

■ 60, 47.153,
166.766

■ 60, 42.989,
170.052

■ 61, 39.781,
171.695

■ 61, 35.869,
173.173

■ 62, 31.290,
174.507

■ 63, 26.117,
175.720

■ 63, 20.447,
176.835

■ 64, 14.387,
177.873

■ 66, 8.042, 178.858

Harmonies

Complementary

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



60, 45.511, 168.229



35, 61.439, 21.446

Rectangle

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



60, 45.511, 168.229



60, 45.511, 218.229



60, 45.511, 348.229



60, 45.511, 38.229

Sweetspot

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



60, 45.511, 168.228



81, 22.221, 177.234



59, 81.086, 133.592



42, 15.182, 176.798



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



60, 45.511, 168.228



77, 57.886, 166.351



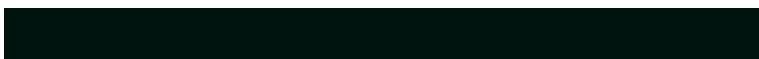
49, 31.773, 242.508



34, 3.700, 179.155



53, 43.046, 166.987



4, 5.982, 176.123

Inverse Universe

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



35, 61.439, 21.446



45, 79.576, 26.533



38, 64.400, 45.441



32, 3.819, 0.711



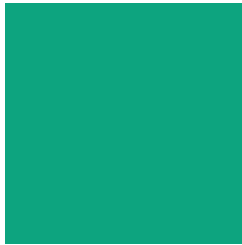
30, 58.950, 24.733



1, 5.763, 1.618

Previews

White Background



This preview shows how the CIE LCh color 60, 45.511, 168.229 looks on a white background.

Color Contrast Check

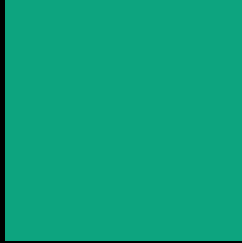
Large Text (above 18pt) WCAG AA ✓ Pass

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, 45.511, 168.229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

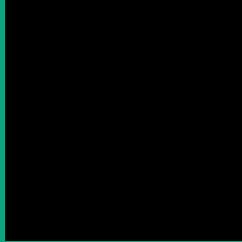
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 45.511, 168.229

Background



This preview shows how black text looks on a background with the CIELCh color 60, 45.511, 168.229.

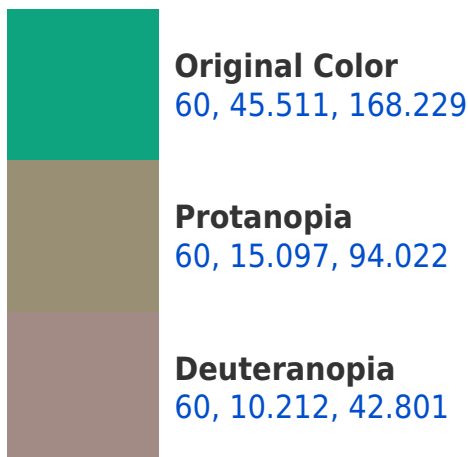



This preview shows how white text looks on a background with the CIELCh color 60, 45.511, 168.229.

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, 29.726, 211.492

Trichromacy



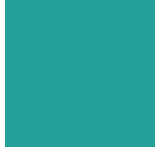
Original Color
60, 45.511, 168.229



Protanomaly
58, 25.709, 155.782



Deuteranomaly
58, 18.432, 163.977



Tritanomaly
60, 33.670, 191.623

Monochromacy



Original Color
60, 45.511, 168.229



Achromatopsia
48, 0.006, 296.813



Achromatomaly
51, 21.517, 176.513

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 45.511, 168.229 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(13, 164, 127)` looks like.

```
.text, #text, p{  
    color:rgb(13, 164, 127)  
}
```

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(13, 164, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 164, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 45.511, 168.229 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(13, 164, 127) }
```

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

```
.border{ border-color:rgb(13, 164, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 164, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 164, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 164, 127);  
box-shadow:4px 4px 4px 4px rgb(13, 164,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 45.511, 168.229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 164, 127) }
```

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

```
.background{ background-color: rgb(13, 164,  
127) }
```

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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