

Converting Colors

CIElCh(59, 48.239, 162.434)

Have a look what the booklet for
CIELCh(59, 48.239, 162.434)
contains.

CIELCh(59, 47.980, 162.600)	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(59, 47.980, 162.600)

Conversions

Conversions Part 1

Format	Color
Hex	16A173
RGB	22, 161, 115
RGB Percent	9%, 63%, 45%
CMY	0.9144, 0.3672, 0.5477
CMYK	0.86, 0.00, 0.29, 0.37
HSL	160°, 76%, 36%
HSV	160°, 86%, 63%
XYZ	16.2471, 27.0277, 20.6794
YIQ	114.1950, -68.0780, -43.7740

Conversions

Conversions Part 2

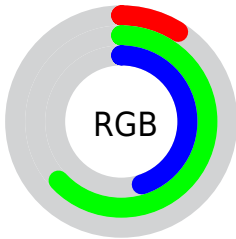
Format	Color
RYB	22, 105, 161
Decimal	1483123
CIELab	59.00, -45.78, 14.35
CIELCh	59, 47.980, 162.600
Yxy	27.0277, 0.2540, 0.4226
Android (android.graphics.Color)	4279673203 (0xFF16A173)
YUV	114.1950, 0.3969, -80.8550
Hunter-Lab	51.9882, -35.1953, 12.8080

Details

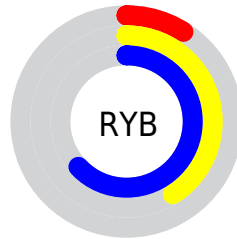
The CIELCh color **59, 47.980, 162.600** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **35, 57.025, 11.220**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **79, 48.067, 162.450**, and **40, 40.491, 157.308** is the 20% darker color. If you saturate the color by 10%, you get **59, 50.883, 160.528**, and if you desaturate by 10%, it is **59, 44.458, 164.490**.

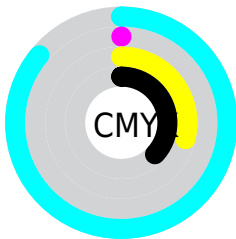
Distribution



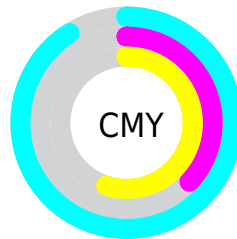
- Red (9%)
- Green (63%)
- Blue (45%)



- Red (9%)
- Yellow (41%)
- Blue (63%)



- Cyan (86%)
- Magenta (0%)
- Yellow (29%)
- Black (37%)



- Cyan (91%)
- Magenta (37%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 47.980, 162.600 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 59, 47.980, 162.600 by changing the saturation by 10% instead.

 59, 47.980,
162.600

 59, 47.980,
162.600

 100, 47.980,
162.600

 49, 47.980,
162.600

 79, 47.980,
162.600

 39, 47.980,
162.600

 89, 47.980,
162.600

 29, 47.980,
162.600

 99, 47.980,
162.600

 19, 47.980,
162.600

 9, 47.980, 162.600

 0, 47.980, 162.600

■ 59, 47.980,
162.600

■ 59, 47.980,
162.600

■ 59, 50.883,
160.528

■ 59, 44.458,
164.490

■ 59, 51.855,
159.814

■ 60, 40.258,
166.186

■ 60, 35.405,
167.702

■ 61, 29.967,
169.062

■ 62, 24.040,
170.289

■ 63, 17.735,
171.407

■ 64, 11.159,
172.440

■ 65, 4.413, 173.437

Harmonies

Complementary

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



59, 47.980, 162.600



35, 57.025, 11.220

Rectangle

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



59, 47.980, 162.600



59, 47.980, 212.600



59, 47.980, 342.600



59, 47.980, 32.600

Sweetspot

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



59, 47.980, 162.599



80, 21.506, 171.407



59, 76.044, 131.598



42, 14.482, 171.057



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



59, 47.980, 162.599



75, 63.344, 159.364



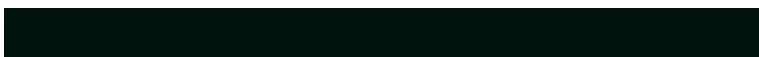
53, 29.997, 224.104



34, 3.886, 173.153



53, 47.863, 160.027



4, 6.307, 170.201

Inverse Universe

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



35, 57.025, 11.220



44, 74.684, 18.885



37, 62.033, 41.220



32, 3.979, 354.719



30, 56.660, 17.189



1, 5.987, 356.039

Previews

White Background



This preview shows how the CIELCh color 59, 47.980, 162.600 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 CIE LCh color 59, 47.980, 162.600 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 59, 47.980, 162.600

Background



This preview shows how black text looks on a background with the CIELCh color 59, 47.980, 162.600.

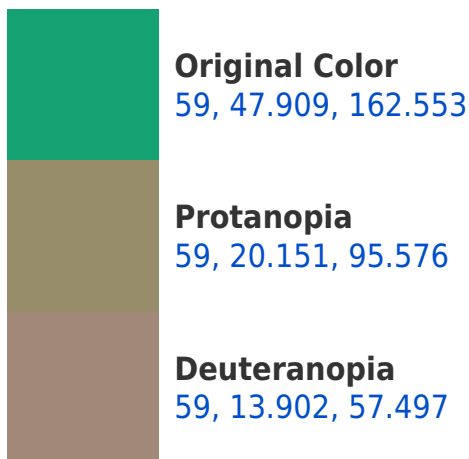



This preview shows how white text looks on a background with the CIELCh color 59, 47.980, 162.600.

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
59, 28.370, 211.114

Trichromacy



Original Color
59, 47.909, 162.553



Protanomaly
57, 28.206, 145.603



Deuteranomaly
57, 20.036, 150.125

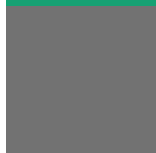


Tritanomaly
59, 33.143, 187.531

Monochromacy



Original Color
59, 47.909, 162.553



Achromatopsia
48, 0.006, 296.813



Achromatomaly
51, 21.622, 169.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 47.980, 162.600 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(22, 161, 115)` looks like.

```
.text, #text, p{  
    color:rgb(22, 161, 115)  
}
```

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(22, 161, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 161, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 47.980, 162.600 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(22, 161, 115) }
```

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

```
.border{ border-color:rgb(22, 161, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 161, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 161, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 161, 115);  
box-shadow:4px 4px 4px 4px rgb(22, 161,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 47.980, 162.600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 161, 115) }
```

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

```
.background{ background-color: rgb(22, 161,  
115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor