

Converting Colors

CIELCh(59, 45.245, 168.485)

Have a look what the booklet for
CIELCh(59, 45.245, 168.485)
contains.

CIELCh(59, 45.128, 168.653)	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, 45.128, 168.653)

Conversions

Conversions Part 1

Format	Color
Hex	04A17D
RGB	4, 161, 125
RGB Percent	2%, 63%, 49%
CMY	0.9831, 0.3683, 0.5095
CMYK	0.97, 0.00, 0.22, 0.37
HSL	166°, 95%, 32%
HSV	166°, 97%, 63%
XYZ	16.5189, 27.0277, 23.7733
YIQ	109.9530, -82.0160, -44.4800

Conversions

Conversions Part 2

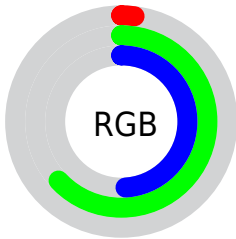
Format	Color
RYB	4, 93, 161
Decimal	303485
CIELab	59.00, -44.25, 8.88
CIElCh	59, 45.128, 168.653
Yxy	27.0277, 0.2454, 0.4015
Android (android.graphics.Color)	4278493565 (0xFF04A17D)
YUV	109.9530, 7.4182, -92.9208
Hunter-Lab	51.9882, -34.2623, 9.2795

Details

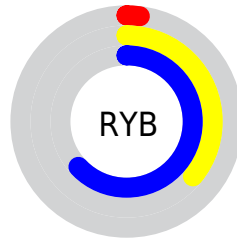
The CIELCh color **59, 45.128, 168.653** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **34, 63.166, 25.210**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **79, 45.073, 168.715**, and **40, 36.690, 163.305** is the 20% darker color. If you saturate the color by 10%, you get **59, 45.664, 168.170**, and if you desaturate by 10%, it is **59, 43.019, 170.490**.

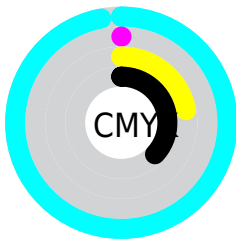
Distribution



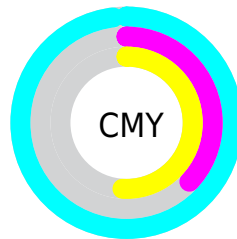
- Red (2%)
- Green (63%)
- Blue (49%)



- Red (2%)
- Yellow (36%)
- Blue (63%)



- Cyan (97%)
- Magenta (0%)
- Yellow (22%)
- Black (37%)





- Cyan (98%)
- Magenta (37%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 45.128, 168.653 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, 45.128, 168.653 by changing the saturation by 10% instead.


 59, 45.128,
168.653


 59, 45.128,
168.653


 100, 45.128,
168.653

 49, 45.128,
168.653


 79, 45.128,
168.653

 39, 45.128,
168.653

 89, 45.128,
168.653

 29, 45.128,
168.653

 99, 45.128,
168.653

 19, 45.128,
168.653

 9, 45.128, 168.653

 0, 45.128, 168.653

■ 59, 45.128,
168.653

■ 59, 45.128,
168.653

■ 59, 45.664,
168.170

■ 59, 43.019,
170.490

■ 60, 40.304,
172.173

■ 60, 36.894,
173.688

■ 60, 32.799,
175.054

■ 61, 28.072,
176.295

■ 62, 22.798,
177.433

■ 63, 17.078,
178.489

■ 64, 11.017,

179.483

■ 65, 4.715, 180.458

Harmonies

Complementary

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



59, 45.128, 168.653



34, 63.166, 25.210

Rectangle

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



59, 45.128, 168.653



59, 45.128, 218.653



59, 45.128, 348.653



59, 45.128, 38.653

Sweetspot

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



59, 45.128, 168.652



80, 22.311, 178.261



58, 81.972, 134.056



41, 15.142, 177.841



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, 45.128, 168.652



75, 55.737, 167.768



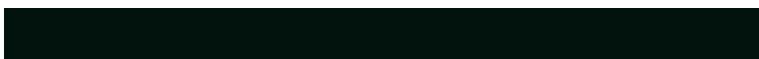
47, 32.577, 247.940



34, 3.672, 180.263



54, 42.245, 168.355



4, 5.930, 177.274

Inverse Universe

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



34, 63.166, 25.210



44, 78.826, 27.653



37, 66.153, 46.129



32, 3.795, 1.808



30, 59.457, 25.962



1, 5.730, 2.635

Previews

White Background



This preview shows how the CIELCh color 59, 45.128, 168.653 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 59, 45.128, 168.653 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, 45.128, 168.653

Background



This preview shows how black text looks on a background with the CIELCh color 59, 45.128, 168.653.

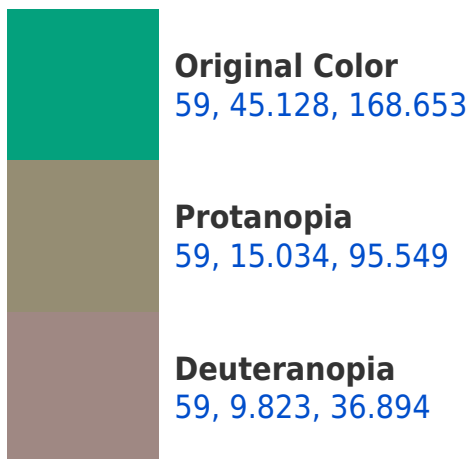


This preview shows how white text looks on a background with the CIELCh color 59, 45.128, 168.653.

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, 29.432, 211.688

Trichromacy



Original Color
59, 45.128, 168.653



Protanomaly
57, 25.910, 157.521



Deuteranomaly
57, 18.401, 167.866



Tritanomaly
59, 33.675, 191.566

Monochromacy



Original Color
59, 45.128, 168.653



Achromatopsia
46, 0.006, 296.813



Achromatomaly
50, 22.392, 175.527

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 45.128, 168.653 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(4, 161, 125)` looks like.

```
.text, #text, p{  
    color:rgb(4, 161, 125)  
}
```

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(4, 161, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 161, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 45.128, 168.653 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(4, 161, 125) }
```

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

```
.border{ border-color:rgb(4, 161, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 161, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 161, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 161, 125);  
box-shadow:4px 4px 4px 4px rgb(4, 161,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 45.128, 168.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 161, 125) }
```

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

```
.background{ background-color: rgb(4, 161,  
125) }
```

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