

Converting Colors

CIELCh(61, 45.540, 170.747)

Have a look what the booklet for
CIELCh(61, 45.540, 170.747)
contains.

CIELCh(61, 45.404, 170.635)	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(61, 45.404, 170.635)

Conversions

Conversions Part 1

Format	Color
Hex	00A785
RGB	0, 167, 133
RGB Percent	0%, 65%, 52%
CMY	1.0000, 0.3459, 0.4792
CMYK	1.00, 0.00, 0.20, 0.35
HSL	168°, 100%, 33%
HSV	168°, 100%, 65%
XYZ	17.9936, 29.2481, 26.8197
YIQ	113.1910, -88.6180, -45.9780

Conversions

Conversions Part 2

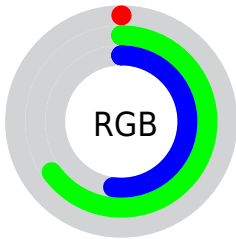
Format	Color
RYB	0, 93, 167
Decimal	42885
CIELab	61.00, -44.80, 7.39
CIELCh	61, 45.404, 170.635
Yxy	29.2481, 0.2430, 0.3949
Android (android.graphics.Color)	4278232965 (0xFF00A785)
YUV	113.1910, 9.7658, -99.2685
Hunter-Lab	54.0815, -35.2536, 8.4544

Details

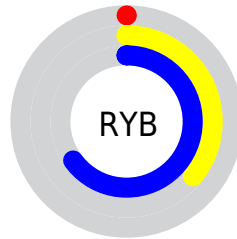
The CIELCh color **61, 45.404, 170.635** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **35, 67.203, 28.710**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **81, 45.370, 170.573**, and **42, 36.693, 165.889** is the 20% darker color. If you saturate the color by 10%, you get **61, 45.374, 170.620**, and if you desaturate by 10%, it is **61, 43.506, 172.374**.

Distribution



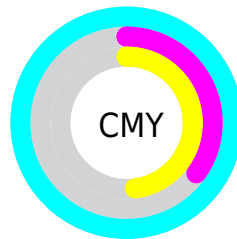
- Red (0%)
- Green (65%)
- Blue (52%)



- Red (0%)
- Yellow (36%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 45.404, 170.635 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 61, 45.404, 170.635 by changing the saturation by 10% instead.


 61, 45.404,
170.635


 61, 45.404,
170.635


 100, 45.404,
170.635


 51, 45.404,
170.635


 81, 45.404,
170.635

 41, 45.404,
170.635

 91, 45.404,
170.635

 31, 45.404,
170.635

 21, 45.404,
170.635

 11, 45.404,
170.635

 1, 45.404, 170.635

 0, 45.404, 170.635

■ 61, 45.404,
170.635

■ 61, 45.404,
170.635

■ 61, 45.374,
170.620

■ 61, 43.506,
172.374

■ 61, 41.107,
174.017

■ 62, 37.993,
175.499

■ 62, 34.156,
176.838

■ 63, 29.635,
178.056

■ 64, 24.510,
179.176

■ 65, 18.878,
180.218

■ 66, 12.846,

181.201

■ 67, 6.521, 182.153

Harmonies

Complementary

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



61, 45.404, 170.635



35, 67.203, 28.710

Rectangle

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



61, 45.404, 170.635



61, 45.404, 220.635



61, 45.404, 350.635



61, 45.404, 40.635

Sweetspot

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



61, 45.374, 170.620



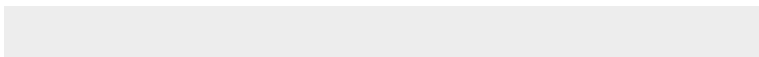
82, 23.332, 180.163



60, 85.268, 134.369



43, 15.884, 179.747



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



61, 45.374, 170.620



78, 55.410, 170.251



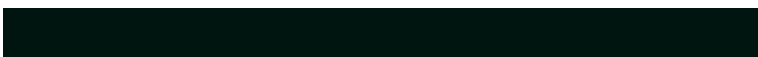
47, 34.643, 252.527



35, 3.720, 182.222



55, 41.433, 170.820



5, 7.077, 178.391

Inverse Universe

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



35, 67.203, 28.710



45, 82.450, 29.797



38, 69.219, 46.898



33, 3.856, 3.749



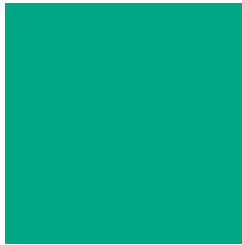
30, 61.216, 28.107



1, 6.804, 5.143

Previews

White Background



This preview shows how the CIELCh color 61, 45.404, 170.635 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 61, 45.404, 170.635 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 61, 45.404, 170.635

Background



This preview shows how black text looks on a background with the CIELCh color 61, 45.404, 170.635.

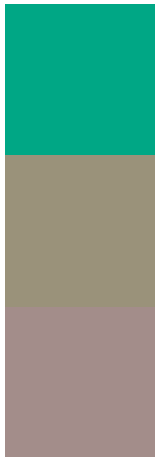


This preview shows how white text looks on a background with the CIELCh color 61, 45.404, 170.635.

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



Original Color
61, 45.404, 170.635

Protanopia
61, 13.849, 94.787

Deuteranopia
60, 9.026, 30.921



Tritanopia
61, 30.440, 211.069

Trichromacy



Original Color
61, 45.404, 170.635



Protanomaly
59, 26.412, 160.236



Deuteranomaly
59, 18.890, 172.712



Tritanomaly
61, 34.668, 192.684

Monochromacy



Original Color
61, 45.404, 170.635



Achromatopsia
48, 0.006, 296.813



Achromatomaly
51, 23.145, 177.873

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 45.404, 170.635 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(0, 167, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 133)  
}
```

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(0, 167, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 45.404, 170.635 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(0, 167, 133) }
```

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

```
.border{ border-color:rgb(0, 167, 133) }
```

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

Here you see how a box with a 4 pixel rgb(0, 167, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 45.404, 170.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 133) }
```

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

```
.background{ background-color: rgb(0, 167,  
133) }
```

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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