

Converting Colors

CIELCh(60, 47.207, 160.136)

Have a look what the booklet for
CIELCh(60, 47.207, 160.136)
contains.

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Color

CIELCh(60, 47.407, 160.035)

Conversions

Conversions Part 1

Format	Color
Hex	2AA473
RGB	42, 164, 115
RGB Percent	16%, 64%, 45%
CMY	0.8338, 0.3586, 0.5506
CMYK	0.74, 0.00, 0.30, 0.36
HSL	156°, 59%, 40%
HSV	156°, 74%, 64%
XYZ	17.2392, 28.1233, 20.6175
YIQ	121.9360, -56.9830, -41.1030

Conversions

Conversions Part 2

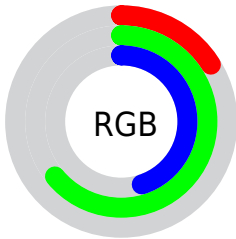
Format	Color
R_{YB}	42, 118, 164
Decimal	2794611
CIE _{Lab}	60.00, -44.56, 16.19
CIE _{LCh}	60, 47.407, 160.035
Yxy	28.1233, 0.2613, 0.4262
Android (android.graphics.Color)	4280984691 (0xFF2AA473)
YUV	121.9360, -3.4194, -70.1039
Hunter-Lab	53.0314, -34.7790, 14.0713

Details

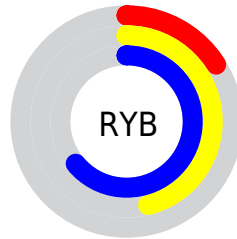
The CIELCh color **60, 47.407, 160.035** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **38, 52.639, 0.571**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 47.556, 159.958**, and **41, 42.142, 156.153** is the 20% darker color. If you saturate the color by 10%, you get **60, 51.683, 158.119**, and if you desaturate by 10%, it is **61, 42.451, 161.746**.

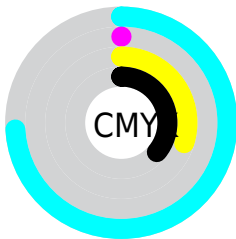
Distribution



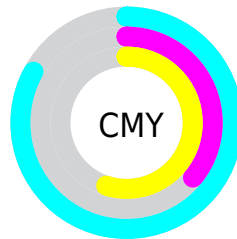
- Red (16%)
- Green (64%)
- Blue (45%)



- Red (16%)
- Yellow (46%)
- Blue (64%)



- Cyan (74%)
- Magenta (0%)
- Yellow (30%)
- Black (36%)





- Cyan (83%)
- Magenta (36%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 47.407, 160.035 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, 47.407, 160.035 by changing the saturation by 10% instead.

 60, 47.407,
160.035


 60, 47.407,
160.035


 100, 47.407,
160.035


 50, 47.407,
160.035


 80, 47.407,
160.035

 40, 47.407,
160.035

 90, 47.407,
160.035

 30, 47.407,
160.035

 20, 47.407,
160.035

 10, 47.407,
160.035

 0, 47.407, 160.035

 60, 47.407,

 60, 47.407,

160.035

■ 60, 51.683,
158.119

■ 59, 55.290,
156.003

■ 59, 57.252,
154.747

160.035

■ 61, 42.451,
161.746

■ 61, 36.861,
163.270

■ 62, 30.724,
164.626

■ 63, 24.149,
165.841

■ 64, 17.256,
166.938

■ 65, 10.155,
167.943

■ 67, 2.948, 168.940

■ 68, 4.282, 349.558

■ 70, 11.467,
350.390

Harmonies

Complementary

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



60, 47.407, 160.035



38, 52.639, 0.571

Rectangle

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



60, 47.407, 160.035



60, 47.407, 210.035



60, 47.407, 340.035



60, 47.407, 30.035

Sweetspot

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



60, 47.407, 160.035



81, 19.470, 167.113



61, 67.825, 129.049



43, 13.158, 166.846



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, 47.407, 160.035



75, 65.550, 156.756



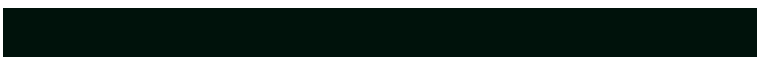
58, 30.194, 207.961



34, 4.078, 168.408



53, 52.264, 154.995



4, 6.613, 165.883

Inverse Universe

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



38, 52.639, 0.571



46, 71.047, 6.522



39, 55.106, 35.026



32, 4.152, 349.929



30, 55.661, 10.183



1, 6.224, 351.544

Previews

White Background



This preview shows how the CIELCh color 60, 47.407, 160.035 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 60, 47.407, 160.035 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, 47.407, 160.035

Background



This preview shows how black text looks on a background with the CIELCh color 60, 47.407, 160.035.

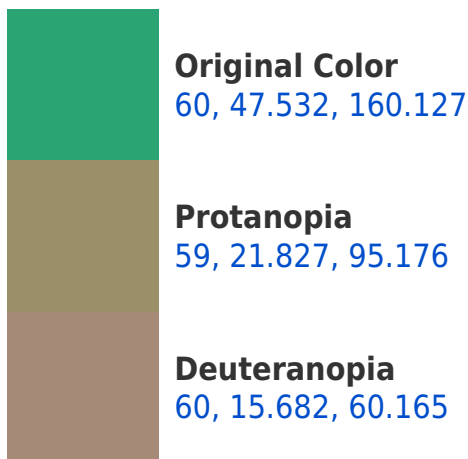



This preview shows how white text looks on a background with the CIELCh color 60, 47.407, 160.035.

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, 27.050, 211.894

Trichromacy



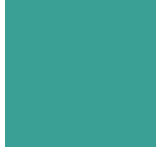
Original Color
60, 47.532, 160.127



Protanomaly
58, 27.968, 139.605



Deuteranomaly
58, 19.468, 140.561



Tritanomaly
60, 31.530, 186.212

Monochromacy



Original Color
60, 47.532, 160.127



Achromatopsia
51, 0.007, 296.813



Achromatomaly
54, 19.828, 165.822

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 47.407, 160.035 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(42, 164, 115)` looks like.

```
.text, #text, p{  
    color:rgb(42, 164, 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(42, 164, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 164, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 47.407, 160.035 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(42, 164, 115) }
```

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

```
.border{ border-color:rgb(42, 164, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 164, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 164, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 164, 115);  
box-shadow:4px 4px 4px 4px rgb(42, 164,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 47.407, 160.035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 164, 115) }
```

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

```
.background{ background-color: rgb(42, 164,  
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](#).

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