

Converting Colors

CIELCh(61, 40.741, 157.317)

Have a look what the booklet for
CIELCh(61, 40.741, 157.317)
contains.

CIELCh(61, 40.909, 157.049)	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, 40.909, 157.049)

Conversions

Conversions Part 1

Format	Color
Hex	4BA476
RGB	75, 164, 118
RGB Percent	29%, 64%, 46%
CMY	0.7069, 0.3578, 0.5382
CMYK	0.54, 0.00, 0.28, 0.36
HSL	149°, 37%, 47%
HSV	149°, 54%, 64%
XYZ	19.3674, 29.2481, 21.6905
YIQ	132.1450, -38.2780, -33.1740

Conversions

Conversions Part 2

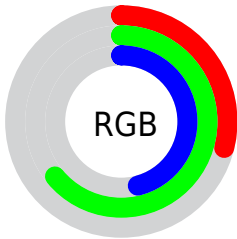
Format	Color
RYB	75, 135, 164
Decimal	4957302
CIELab	61.00, -37.67, 15.95
CIElCh	61, 40.909, 157.049
Yxy	29.2481, 0.2755, 0.4160
Android (android.graphics.Color)	4283147382 (0xFF4BA476)
YUV	132.1450, -6.9735, -50.1162
Hunter-Lab	54.0815, -30.7192, 14.0776

Details

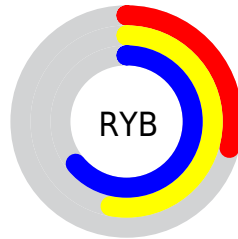
The CIELCh color $61, 40.909, 157.049$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $45, 42.967, 348.514$, and the grayscale version is $55, 0.007, 296.813$.

A 20% lighter version of the original color is $81, 41.298, 156.821$, and $41, 40.861, 156.922$ is the 20% darker color. If you saturate the color by 10%, you get $60, 47.305, 155.519$, and if you desaturate by 10%, it is $62, 33.979, 158.398$.

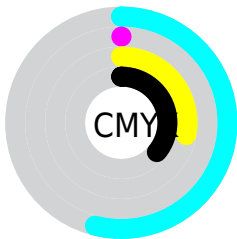
Distribution



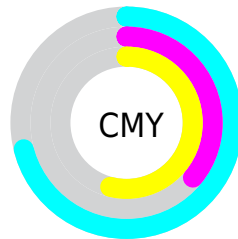
- Red (29%)
- Green (64%)
- Blue (46%)



- Red (29%)
- Yellow (53%)
- Blue (64%)



- Cyan (54%)
- Magenta (0%)
- Yellow (28%)
- Black (36%)





- Cyan (71%)
- Magenta (36%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 40.909, 157.049 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, 40.909, 157.049 by changing the saturation by 10% instead.


 61, 40.909,
157.049


 61, 40.909,
157.049


 100, 40.909,
157.049


 51, 40.909,
157.049


 81, 40.909,
157.049

 41, 40.909,
157.049

 91, 40.909,
157.049

 31, 40.909,
157.049

 21, 40.909,
157.049

 11, 40.909,
157.049

 1, 40.909, 157.049

 0, 40.909, 157.049

■ 61, 40.909,
157.049

■ 61, 40.909,
157.049

■ 60, 47.305,
155.519

■ 62, 33.979,
158.398

■ 60, 53.060,
153.791

■ 63, 26.639,
159.592

■ 59, 58.111,
151.857

■ 64, 19.019,
160.652

■ 59, 62.452,
149.733

■ 65, 11.238,
161.606

■ 59, 64.717,
148.550

■ 67, 3.403, 162.523

■ 68, 4.402, 343.110

■ 70, 12.111,
343.860

■ 72, 19.675,
344.515

■ 73, 27.062,
345.115

Harmonies

Complementary

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



61, 40.909, 157.049



45, 42.967, 348.514

Rectangle

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



61, 40.909, 157.049



61, 40.909, 207.049



61, 40.909, 337.049



61, 40.909, 27.049

Sweetspot

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



61, 40.910, 157.049



82, 15.432, 161.428



63, 50.776, 126.037



43, 10.499, 161.246



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



61, 40.910, 157.049



76, 58.585, 155.219



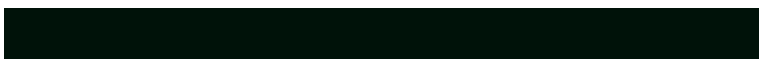
62, 27.766, 195.304



34, 4.414, 162.065



53, 58.996, 148.799



4, 7.103, 160.454

Inverse Universe

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



45, 42.967, 348.514



53, 61.206, 350.527



43, 40.640, 24.696



32, 4.465, 343.466



31, 56.034, 359.578



1, 6.651, 345.408

Previews

White Background



This preview shows how the CIELCh color 61, 40.909, 157.049 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, 40.909, 157.049 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, 40.909, 157.049

Background



This preview shows how black text looks on a background with the CIELCh color 61, 40.909, 157.049.



This preview shows how white text looks on a background with the CIELCh color 61, 40.909, 157.049.

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, 40.909, 157.049

Protanopia
61, 20.666, 94.758

Deuteranopia
61, 15.607, 60.206



Tritanopia
61, 22.226, 217.099

Trichromacy



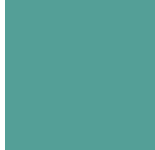
Original Color
61, 40.909, 157.049



Protanomaly
60, 24.075, 132.706



Deuteranomaly
60, 16.715, 128.243



Tritanomaly
61, 25.505, 186.886

Monochromacy



Original Color
61, 40.909, 157.049



Achromatopsia
55, 0.007, 296.813



Achromatomaly
57, 16.104, 160.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 40.909, 157.049 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(75, 164, 118)` looks like.

```
.text, #text, p{  
    color:rgb(75, 164, 118)  
}
```

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(75, 164, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 164, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 40.909, 157.049 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(75, 164, 118) }
```

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

```
.border{ border-color:rgb(75, 164, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 164, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 164, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 164, 118);  
box-shadow:4px 4px 4px 4px rgb(75, 164,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 40.909, 157.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 164, 118) }
```

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

```
.background{ background-color: rgb(75, 164,  
118) }
```

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