

Converting Colors

CIElCh(61, 40.513, 159.587)

Have a look what the booklet for
CIELCh(61, 40.513, 159.587)
contains.

CIELCh(61, 40.528, 159.540)	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, 40.528, 159.540)

Conversions

Conversions Part 1

Format	Color
Hex	47A479
RGB	71, 164, 121
RGB Percent	28%, 64%, 47%
CMY	0.7218, 0.3571, 0.5257
CMYK	0.57, 0.00, 0.26, 0.36
HSL	152°, 40%, 46%
HSV	152°, 57%, 64%
XYZ	19.3081, 29.2481, 22.7005
YIQ	131.2910, -41.6250, -33.0890

Conversions

Conversions Part 2

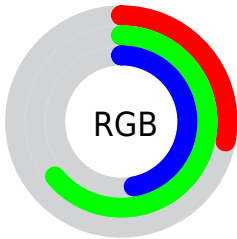
Format	Color
RYB	71, 131, 164
Decimal	4695161
CIELab	61.00, -37.97, 14.17
CIELCh	61, 40.528, 159.540
Yxy	29.2481, 0.2710, 0.4105
Android (android.graphics.Color)	4282885241 (0xFF47A479)
YUV	131.2910, -5.0735, -52.8752
Hunter-Lab	54.0815, -30.9150, 12.9704

Details

The CIELCh color **61, 40.528, 159.540** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **44, 43.513, 352.380**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 40.868, 159.123**, and **41, 40.002, 159.142** is the 20% darker color. If you saturate the color by 10%, you get **60, 46.394, 157.958**, and if you desaturate by 10%, it is **62, 34.098, 160.941**.

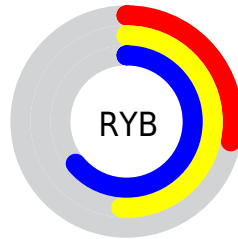
Distribution



Red (28%)

Green (64%)

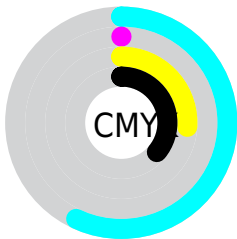
Blue (47%)



Red (28%)

Yellow (51%)

Blue (64%)

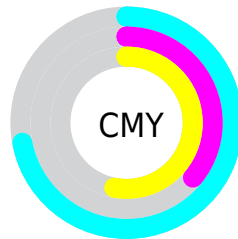


Cyan (57%)

Magenta (0%)

Yellow (26%)

Black (36%)



Cyan (72%)


Magenta (36%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 61, 40.528, 159.540 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, 40.528, 159.540 by changing the saturation by 10% instead.


 61, 40.528,
159.540


 61, 40.528,
159.540


 100, 40.528,
159.540


 51, 40.528,
159.540


 81, 40.528,
159.540

 41, 40.528,
159.540

 91, 40.528,
159.540

 31, 40.528,
159.540

 21, 40.528,
159.540

 11, 40.528,
159.540

 1, 40.528, 159.540

 0, 40.528, 159.540

■ 61, 40.528,
159.540

■ 61, 40.528,
159.540

■ 60, 46.394,
157.958

■ 62, 34.098,
160.941

■ 60, 51.608,
156.177

■ 63, 27.216,
162.185

■ 60, 56.127,
154.190

■ 64, 20.007,
163.296

■ 59, 59.999,
152.028

■ 65, 12.588,
164.301

■ 59, 61.210,
151.344

■ 66, 5.067, 165.242

■ 68, 2.468, 345.844

■ 69, 9.944, 346.708

■ 71, 17.310,
347.421

■ 73, 24.527,
348.078

Harmonies

Complementary

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



61, 40.528, 159.540



44, 43.513, 352.380

Rectangle

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



61, 40.528, 159.540



61, 40.528, 209.540



61, 40.528, 339.540



61, 40.528, 29.540

Sweetspot

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



61, 40.529, 159.539



83, 15.900, 164.244



62, 53.573, 127.716



43, 10.609, 164.061



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, 40.529, 159.539



77, 58.309, 157.523



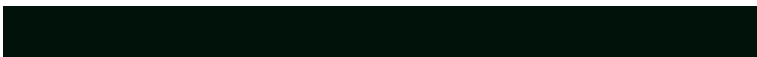
61, 27.413, 200.768



34, 4.245, 165.003



53, 55.758, 151.598



4, 6.859, 162.966

Inverse Universe

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



44, 43.513, 352.380



52, 62.449, 354.941



43, 41.933, 28.357



32, 4.307, 346.466



31, 55.573, 4.640



1, 6.436, 348.268

Previews

White Background



This preview shows how the CIE LCh color 61, 40.528, 159.540 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, 40.528, 159.540 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, 40.528, 159.540

Background



This preview shows how black text looks on a background with the CIELCh color 61, 40.528, 159.540.



This preview shows how white text looks on a background with the CIELCh color 61, 40.528, 159.540.

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, 40.528, 159.540

Protanopia

61, 18.941, 95.149

Deuteranopia

61, 14.134, 56.523



Tritanopia
61, 23.322, 214.567

Trichromacy



Original Color
61, 40.528, 159.540



Protanomaly
60, 23.612, 136.359



Deuteranomaly
60, 15.476, 133.099



Tritanomaly
61, 26.492, 187.203

Monochromacy



Original Color
61, 40.528, 159.540



Achromatopsia
55, 0.007, 296.813



Achromatomaly
57, 16.052, 163.175

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 40.528, 159.540 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(71, 164, 121)` looks like.

```
.text, #text, p{  
    color:rgb(71, 164, 121)  
}
```

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(71, 164, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 164, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 40.528, 159.540 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(71, 164, 121) }
```

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

```
.border{ border-color:rgb(71, 164, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 164, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 164, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 164, 121);  
box-shadow:4px 4px 4px 4px rgb(71, 164,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 40.528, 159.540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 164, 121) }
```

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

```
.background{ background-color: rgb(71, 164,  
121) }
```

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