

Converting Colors

CIELCh(60, 60.162, 149.681)

Have a look what the booklet for
CIELCh(60, 60.162, 149.681)
contains.

CIELCh(60, 60.534, 149.523)	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(60, 60.534, 149.523)

Conversions

Conversions Part 1

Format	Color
Hex	1FA658
RGB	31, 166, 88
RGB Percent	12%, 65%, 35%
CMY	0.8772, 0.3506, 0.6563
CMYK	0.81, 0.00, 0.47, 0.35
HSL	145°, 68%, 39%
HSV	145°, 81%, 65%
XYZ	15.8853, 28.1233, 13.7464
YIQ	116.7430, -55.4220, -52.8780

Conversions

Conversions Part 2

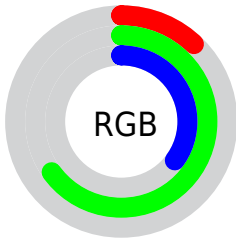
Format	Color
R_{YB}	31, 126, 166
Decimal	2074200
CIE _{Lab}	60.00, -52.17, 30.70
CIE _{LCh}	60, 60.534, 149.523
Yxy	28.1233, 0.2750, 0.4869
Android (android.graphics.Color)	4280264280 (0xFF1FA658)
YUV	116.7430, -14.1703, -75.1966
Hunter-Lab	53.0314, -39.3362, 21.7533

Details

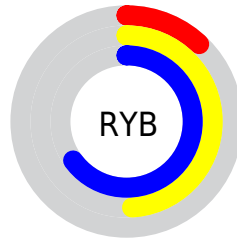
The CIELCh color **60, 60.534, 149.523** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **38, 59.575, 349.267**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 60.556, 149.605**, and **41, 54.610, 143.941** is the 20% darker color. If you saturate the color by 10%, you get **60, 65.506, 147.492**, and if you desaturate by 10%, it is **60, 54.793, 151.367**.

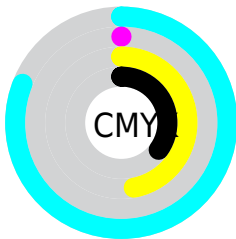
Distribution



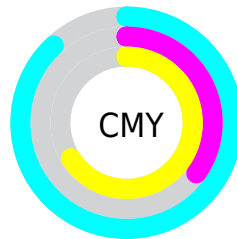
- Red (12%)
- Green (65%)
- Blue (35%)



- Red (12%)
- Yellow (49%)
- Blue (65%)



- Cyan (81%)
- Magenta (0%)
- Yellow (47%)
- Black (35%)





- Cyan (88%)
- Magenta (35%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 60.534, 149.523 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, 60.534, 149.523 by changing the saturation by 10% instead.


 60, 60.534,
149.523


 60, 60.534,
149.523


 100, 60.534,
149.523


 50, 60.534,
149.523


 80, 60.534,
149.523

 40, 60.534,
149.523

 90, 60.534,
149.523


 30, 60.534,
149.523

 20, 60.534,
149.523

 10, 60.534,
149.523

 0, 60.534, 149.523

 60, 60.534,

 60, 60.534,

149.523

149.523

■ 60, 65.506,
147.492

■ 60, 54.793,
151.367

■ 59, 69.405,
145.647

■ 61, 48.325,
153.011

■ 62, 41.227,
154.461

■ 63, 33.626,
155.735

■ 64, 25.664,
156.855

■ 65, 17.476,
157.844

■ 66, 9.187, 158.732

■ 68, 0.898, 159.840

Harmonies

Complementary

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



60, 60.534, 149.523



38, 59.575, 349.267

Rectangle

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



60, 60.534, 149.523



60, 60.534, 199.523



60, 60.534, 329.523



60, 60.534, 19.523

Sweetspot

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



60, 60.534, 149.523



82, 24.496, 157.527



62, 69.433, 123.429



42, 16.777, 157.192



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, 60.534, 149.523



75, 83.337, 145.847



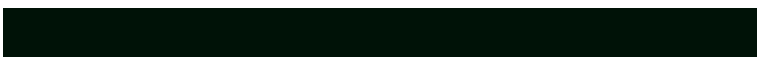
61, 36.664, 186.319



34, 4.626, 158.889



53, 62.710, 145.911



4, 7.405, 157.717

Inverse Universe

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



38, 59.575, 349.267



47, 75.697, 354.004



36, 60.717, 28.549



32, 4.666, 340.213



31, 57.202, 353.905



1, 6.923, 342.278

Previews

White Background



This preview shows how the CIELCh color 60, 60.534, 149.523 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 60, 60.534, 149.523 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, 60.534, 149.523

Background



This preview shows how black text looks on a background with the CIELCh color 60, 60.534, 149.523.

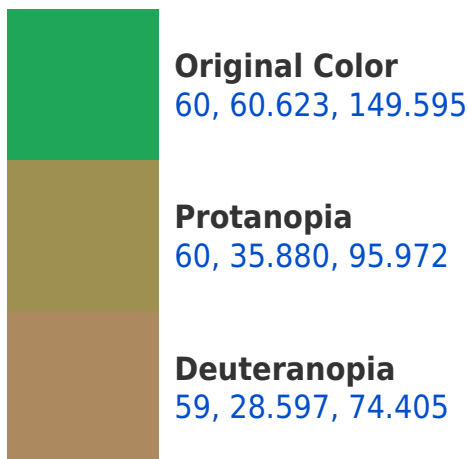


This preview shows how white text looks on a background with the CIELCh color 60, 60.534, 149.523.

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, 26.678, 213.436

Trichromacy



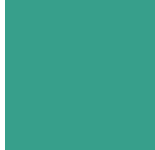
Original Color
60, 60.623, 149.595



Protanomaly
59, 41.463, 129.742



Deuteranomaly
58, 32.509, 126.379



Tritanomaly
59, 34.619, 177.165

Monochromacy



Original Color
60, 60.623, 149.595



Achromatopsia
49, 0.007, 296.813



Achromatomaly
52, 25.496, 155.845

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 60.534, 149.523 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(31, 166, 88)` looks like.

```
.text, #text, p{  
    color:rgb(31, 166, 88)  
}
```

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(31, 166, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 166, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 60.534, 149.523 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(31, 166, 88) }
```

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

```
.border{ border-color:rgb(31, 166, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 166, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 166, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 166, 88);  
box-shadow:4px 4px 4px 4px rgb(31, 166,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 60.534, 149.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 166, 88) }
```

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

```
.background{ background-color: rgb(31, 166,  
88) }
```

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