

Converting Colors

CIELCh(59, 74.183, 142.365)

Have a look what the booklet for
CIELCh(59, 74.183, 142.365)
contains.

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Color

CIElCh(59, 74.357, 142.370)

Conversions

Conversions Part 1

Format	Color
Hex	00A537
RGB	0, 165, 55
RGB Percent	0%, 65%, 22%
CMY	1.0000, 0.3546, 0.7858
CMYK	1.00, 0.00, 0.67, 0.35
HSL	140°, 100%, 32%
HSV	140°, 100%, 65%
XYZ	14.0524, 27.0277, 8.0413
YIQ	103.1250, -63.0300, -69.1900

Conversions

Conversions Part 2

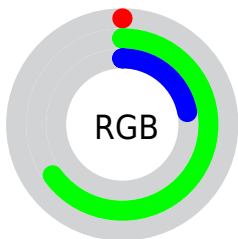
Format	Color
RYB	0, 124, 165
Decimal	42295
CIELab	59.00, -58.89, 45.40
CIELCh	59, 74.357, 142.370
Yxy	27.0277, 0.2861, 0.5502
Android (android.graphics.Color)	4278232375 (0xFF00A537)
YUV	103.1250, -23.7256, -90.4406
Hunter-Lab	51.9882, -42.7309, 27.2211

Details

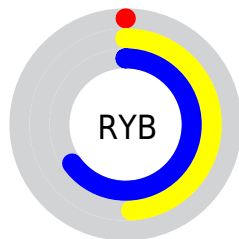
The CIELCh color **59, 74.357, 142.370** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **36, 65.346, 347.075**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **79, 74.154, 142.536**, and **40, 64.885, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **59, 74.335, 142.352**, and if you desaturate by 10%, it is **59, 69.715, 144.274**.

Distribution



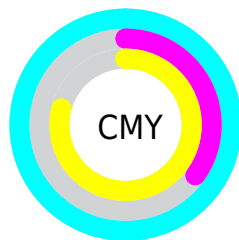
- Red (0%)
- Green (65%)
- Blue (22%)



- Red (0%)
- Yellow (49%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (35%)





- Cyan (100%)
- Magenta (35%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 74.357, 142.370 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 59, 74.357, 142.370 by changing the saturation by 10% instead.


 59, 74.357,
142.370


 59, 74.357,
142.370


 100, 74.357,
142.370

 49, 74.357,
142.370


 79, 74.357,
142.370

 39, 74.357,
142.370

 89, 74.357,
142.370

 29, 74.357,
142.370

 99, 74.357,
142.370

 19, 74.357,
142.370

 9, 74.357, 142.370

 0, 74.357, 142.370

■ 59, 74.357,
142.370

■ 59, 74.357,
142.370

■ 59, 74.335,
142.352

■ 59, 69.715,
144.274

■ 60, 64.296,
146.186

■ 60, 58.007,
147.941

■ 61, 50.932,
149.513

■ 61, 43.202,
150.899

■ 62, 34.970,
152.112

■ 63, 26.395,
153.171

■ 65, 17.625,

154.099

■ 66, 8.789, 154.923

Harmonies

Complementary

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



59, 74.357, 142.370



36, 65.346, 347.075

Rectangle

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



59, 74.357, 142.370



59, 74.357, 192.370



59, 74.357, 322.370



59, 74.357, 12.370

Sweetspot

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



59, 74.335, 142.352



81, 32.701, 153.116



62, 73.970, 120.546



42, 22.226, 152.708



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



59, 74.335, 142.352



75, 91.287, 141.943



60, 43.775, 172.733



34, 4.936, 154.982



52, 67.501, 142.586



4, 7.845, 154.313

Inverse Universe

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



36, 65.346, 347.075



47, 79.220, 347.550



34, 67.392, 30.169



32, 4.965, 336.204



32, 59.772, 346.813



1, 7.356, 338.138

Previews

White Background



This preview shows how the CIELCh color 59, 74.357, 142.370 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 59, 74.357, 142.370 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 59, 74.357, 142.370

Background



This preview shows how black text looks on a background with the CIELCh color 59, 74.357, 142.370.



This preview shows how white text looks on a background with the CIELCh color 59, 74.357, 142.370.

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
59, 74.393, 142.400

Protanopia
59, 49.985, 95.237

Deuteranopia
58, 42.932, 79.882



Tritanopia
59, 26.408, 212.338

Trichromacy



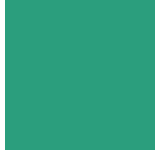
Original Color
59, 74.393, 142.400



Protanomaly
57, 56.680, 125.984



Deuteranomaly
56, 47.760, 122.994



Tritanomaly
58, 40.493, 168.294

Monochromacy



Original Color
59, 74.393, 142.400



Achromatopsia
44, 0.006, 296.813



Achromatomaly
48, 32.994, 151.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 74.357, 142.370 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, 165, 55)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 55)  
}
```

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, 165, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 74.357, 142.370 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, 165, 55) }
```

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

```
.border{ border-color:rgb(0, 165, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 165, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 55);  
box-shadow:4px 4px 4px 4px rgb(0, 165, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 59, 74.357, 142.370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 55) }
```

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

```
.background{ background-color: rgb(0, 165,  
55) }
```

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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