

Converting Colors

CIELCh(59, 59.033, 149.109)

Have a look what the booklet for
CIELCh(59, 59.033, 149.109)
contains.

CIELCh(59, 58.862, 149.204)	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(59, 58.862, 149.204)

Conversions

Conversions Part 1

Format	Color
Hex	25A256
RGB	37, 162, 86
RGB Percent	15%, 64%, 34%
CMY	0.8567, 0.3633, 0.6615
CMYK	0.77, 0.00, 0.47, 0.36
HSL	144°, 63%, 39%
HSV	144°, 77%, 64%
XYZ	15.4223, 27.0277, 13.2759
YIQ	115.9610, -50.1040, -50.1360

Conversions

Conversions Part 2

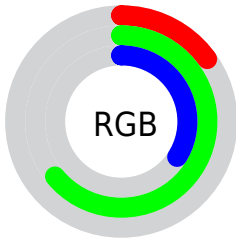
Format	Color
R_{YB}	37, 127, 162
Decimal	2466390
CIE _{Lab}	59.00, -50.56, 30.14
CIE _{LCh}	59, 58.862, 149.204
Yxy	27.0277, 0.2768, 0.4850
Android (android.graphics.Color)	4280656470 (0xFF25A256)
YUV	115.9610, -14.7708, -69.2488
Hunter-Lab	51.9882, -38.0274, 21.2513

Details

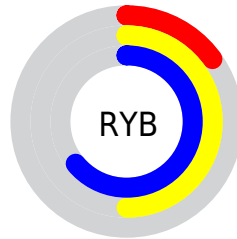
The CIELCh color **59, 58.862, 149.204** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **38, 58.091, 346.898**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **79, 58.795, 149.175**, and **40, 53.347, 143.842** is the 20% darker color. If you saturate the color by 10%, you get **59, 64.165, 147.261**, and if you desaturate by 10%, it is **59, 52.792, 150.958**.

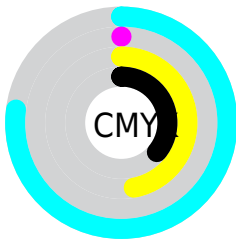
Distribution



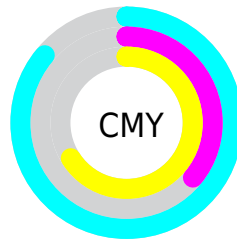
- Red (15%)
- Green (64%)
- Blue (34%)



- Red (15%)
- Yellow (50%)
- Blue (64%)



- Cyan (77%)
- Magenta (0%)
- Yellow (47%)
- Black (36%)





- Cyan (86%)
- Magenta (36%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 58.862, 149.204 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, 58.862, 149.204 by changing the saturation by 10% instead.


 59, 58.862,
149.204


 59, 58.862,
149.204


 100, 58.862,
149.204


 49, 58.862,
149.204


 79, 58.862,
149.204

 39, 58.862,
149.204

 89, 58.862,
149.204

 29, 58.862,
149.204

 99, 58.862,
149.204

 19, 58.862,
149.204

 9, 58.862, 149.204

 0, 58.862, 149.204

■ 59, 58.862,
149.204

■ 59, 58.862,
149.204

■ 59, 64.165,
147.261

■ 59, 52.792,
150.958

■ 58, 68.724,
145.199

■ 60, 46.025,
152.516

■ 58, 69.810,
144.712

■ 61, 38.675,
153.886

■ 62, 30.881,
155.087

■ 63, 22.785,
156.143

■ 64, 14.520,
157.076

■ 66, 6.201, 157.924

■ 67, 2.078, 338.451

■ 69, 10.244,
339.228

Harmonies

Complementary

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



59, 58.862, 149.204



38, 58.091, 346.898

Rectangle

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



59, 58.862, 149.204



59, 58.862, 199.204



59, 58.862, 329.204



59, 58.862, 19.204

Sweetspot

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



59, 58.862, 149.204



81, 23.686, 156.534



61, 65.736, 121.989



43, 16.509, 156.201



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, 58.862, 149.204



75, 82.242, 145.751



60, 36.403, 183.003



34, 4.708, 157.775



53, 64.057, 144.934



4, 7.522, 156.751

Inverse Universe

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



38, 58.091, 346.898



47, 75.586, 350.807



36, 56.319, 24.649



32, 4.745, 339.071



31, 57.798, 351.887



1, 7.034, 341.138

Previews

White Background



This preview shows how the CIELCh color 59, 58.862, 149.204 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 59, 58.862, 149.204 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, 58.862, 149.204

Background



This preview shows how black text looks on a background with the CIELCh color 59, 58.862, 149.204.



This preview shows how white text looks on a background with the CIELCh color 59, 58.862, 149.204.

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, 58.758, 149.115

Protanopia
59, 34.952, 95.720

Deuteranopia
59, 28.423, 75.078



Tritanopia
59, 25.843, 214.075

Trichromacy



Original Color
59, 58.758, 149.115



Protanomaly
58, 40.115, 128.842



Deuteranomaly
57, 31.780, 125.347

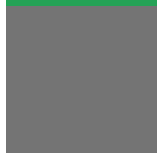


Tritanomaly
58, 33.385, 177.462

Monochromacy



Original Color
59, 58.758, 149.115



Achromatopsia
49, 0.007, 296.813



Achromatomaly
52, 24.354, 155.281

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 58.862, 149.204 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(37, 162, 86)` looks like.

```
.text, #text, p{  
    color:rgb(37, 162, 86)  
}
```

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(37, 162, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 162, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 58.862, 149.204 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(37, 162, 86) }
```

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

```
.border{ border-color:rgb(37, 162, 86) }
```

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

Here you see how a box with a 4 pixel rgb(37, 162, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 162, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 162, 86);  
box-shadow:4px 4px 4px 4px rgb(37, 162,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 58.862, 149.204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 162, 86) }
```

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

```
.background{ background-color: rgb(37, 162,  
86) }
```

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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