

Converting Colors

CIELCh(62, 59.417, 101.025)

Have a look what the booklet for
CIELCh(62, 59.417, 101.025)
contains.

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Color

CIELCh(62, 59.307, 100.915)

Conversions

Conversions Part 1

Format	Color
Hex	9F9922
RGB	159, 153, 34
RGB Percent	62%, 60%, 13%
CMY	0.3752, 0.3988, 0.8652
CMYK	0.00, 0.04, 0.78, 0.38
HSL	57°, 65%, 38%
HSV	57°, 78%, 62%
XYZ	26.0967, 30.4025, 6.0335
YIQ	141.2280, 41.7750, -35.7370

Conversions

Conversions Part 2

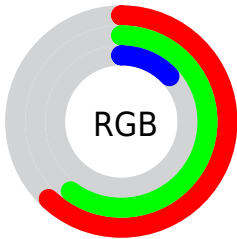
Format	Color
RYB	40, 159, 34
Decimal	10459426
CIELab	62.00, -11.23, 58.23
CIELCh	62, 59.307, 100.915
Yxy	30.4025, 0.4173, 0.4862
Android (android.graphics.Color)	4288649506 (0xFF9F9922)
YUV	141.2280, -52.8634, 15.5860
Hunter-Lab	55.1385, -12.0093, 32.1092

Details

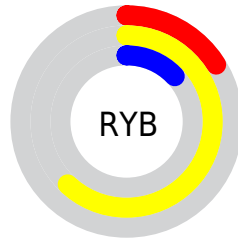
The CIELCh color **62, 59.307, 100.915** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **25, 75.704, 301.942**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 59.507, 100.751**, and **42, 49.457, 101.698** is the 20% darker color. If you saturate the color by 10%, you get **62, 63.227, 100.308**, and if you desaturate by 10%, it is **62, 53.812, 101.656**.

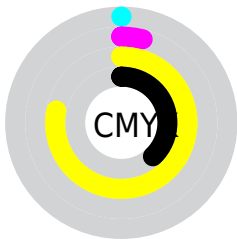
Distribution



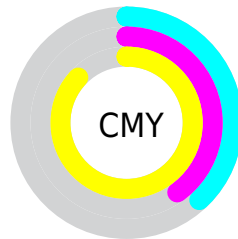
- Red (62%)
- Green (60%)
- Blue (13%)



- Red (16%)
- Yellow (62%)
- Blue (13%)



- Cyan (0%)
- Magenta (4%)
- Yellow (78%)
- Black (38%)





- Cyan (38%)
- Magenta (40%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 59.307, 100.915 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 62, 59.307, 100.915 by changing the saturation by 10% instead.


 62, 59.307,
100.915


 62, 59.307,
100.915


 100, 59.307,
100.915


 52, 59.307,
100.915


 82, 59.307,
100.915

 42, 59.307,
100.915

 92, 59.307,
100.915

 32, 59.307,
100.915

 22, 59.307,
100.915

 12, 59.307,
100.915

 2, 59.307, 100.915

 0, 59.307, 100.915

■ 62, 59.307,
100.915

■ 62, 59.307,
100.915

■ 62, 63.227,
100.308

■ 62, 53.812,
101.656

■ 61, 65.518, 99.822

■ 63, 47.169,
102.498

■ 61, 65.849, 99.749

■ 63, 39.769,
103.415

■ 63, 31.898,
104.380

■ 64, 23.750,
105.370

■ 65, 15.449,
106.367

■ 65, 7.074, 107.353

■ 66, 1.326, 288.389

Harmonies

Complementary

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



62, 59.307, 100.915



25, 75.704, 301.942

Rectangle

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



62, 59.307, 100.915



62, 59.307, 150.915



62, 59.307, 280.915



62, 59.307, 330.915

Sweetspot

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



62, 59.307, 100.917



81, 24.810, 105.767



35, 58.045, 29.656



43, 17.156, 105.431



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



62, 59.307, 100.917



78, 78.726, 99.949



60, 66.532, 124.602



33, 4.714, 107.274



55, 60.797, 99.779



4, 6.121, 107.695

Inverse Universe

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



25, 75.704, 301.942



27, 108.686, 305.158



29, 76.159, 311.286



31, 4.806, 289.154



16, 84.454, 305.500



0, 6.209, 288.292

Previews

White Background



This preview shows how the CIELCh color 62, 59.307, 100.915 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 62, 59.307, 100.915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

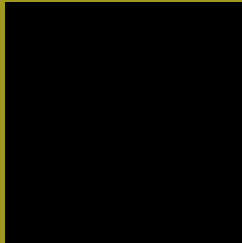
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 62, 59.307, 100.915

Background



This preview shows how black text looks on a background with the CIELCh color 62, 59.307, 100.915.



This preview shows how white text looks on a background with the CIELCh color 62, 59.307, 100.915.

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
62, 59.307, 100.915

Protanopia
62, 58.796, 95.449

Deuteranopia
62, 57.733, 82.045



Tritanopia
62, 11.856, 349.381

Trichromacy



Original Color
62, 59.307, 100.915

Protanomaly
62, 58.897, 97.288

Deuteranomaly
62, 57.498, 88.761

Tritanomaly
62, 22.088, 87.386

Monochromacy



Original Color
62, 59.307, 100.915

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 23.978, 105.364

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 59.307, 100.915 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(159, 153, 34)` looks like.

```
.text, #text, p{  
    color:rgb(159, 153, 34)  
}
```

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(159, 153, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 153, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 59.307, 100.915 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(159, 153, 34) }
```

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

```
.border{ border-color:rgb(159, 153, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 153, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 153, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 153, 34);  
box-shadow:4px 4px 4px 4px rgb(159, 153,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 59.307, 100.915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 153, 34) }
```

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

```
.background{ background-color: rgb(159,  
153, 34) }
```

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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