

Converting Colors

CIELCh(63, 63.563, 103.281)

Have a look what the booklet for
CIELCh(63, 63.563, 103.281)
contains.

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Color

CIELCh(63, 63.803, 103.256)

Conversions

Conversions Part 1

Format	Color
Hex	9E9E17
RGB	158, 158, 23
RGB Percent	62%, 62%, 9%
CMY	0.3823, 0.3821, 0.9084
CMYK	0.00, 0.00, 0.85, 0.38
HSL	60°, 74%, 35%
HSV	60°, 85%, 62%
XYZ	26.3166, 31.5869, 5.5385
YIQ	142.6100, 43.3350, -41.9850

Conversions

Conversions Part 2

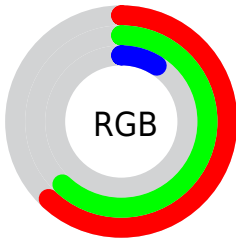
Format	Color
R _Y B	23, 158, 23
Decimal	10395159
CIE Lab	63.00, -14.63, 62.10
CIE LCh	63, 63.803, 103.256
Yxy	31.5869, 0.4148, 0.4979
Android (android.graphics.Color)	4288585239 (0xFF9E9E17)
YUV	142.6100, -58.9677, 13.4970
Hunter-Lab	56.2022, -14.7716, 33.4988

Details

The CIELCh color **63, 63.803, 103.256** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **21, 84.461, 304.487**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 63.950, 103.035**, and **43, 51.230, 105.597** is the 20% darker color. If you saturate the color by 10%, you get **63, 66.580, 102.975**, and if you desaturate by 10%, it is **63, 59.286, 103.727**.

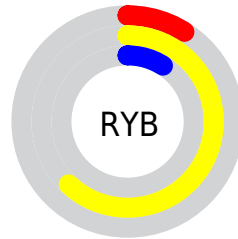
Distribution



Red (62%)

Green (62%)

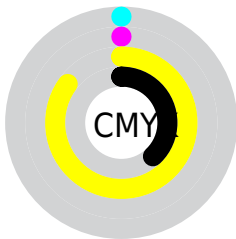
Blue (9%)



Red (9%)

Yellow (62%)

Blue (9%)

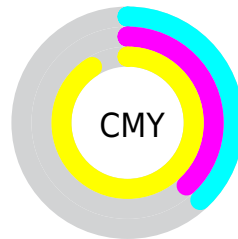


Cyan (0%)

Magenta (0%)

Yellow (85%)

Black (38%)



Cyan (38%)


Magenta (38%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 63.803, 103.256 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 63, 63.803, 103.256 by changing the saturation by 10% instead.


 63, 63.803,
103.256


 63, 63.803,
103.256


 100, 63.803,
103.256


 53, 63.803,
103.256


 83, 63.803,
103.256

 43, 63.803,
103.256

 93, 63.803,
103.256

 33, 63.803,
103.256

 23, 63.803,
103.256

 13, 63.803,
103.256

 3, 63.803, 103.256

 0, 63.803, 103.256

■ 63, 63.803,
103.256

■ 63, 63.803,
103.256

■ 63, 66.580,
102.975

■ 63, 59.286,
103.727

■ 63, 67.627,
102.869

■ 63, 53.309,
104.359

■ 63, 46.271,
105.118

■ 64, 38.525,
105.965

■ 64, 30.328,
106.870

■ 64, 21.858,
107.807

■ 64, 13.231,
108.755

■ 65, 4.520, 109.693

Harmonies

Complementary

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



63, 63.803, 103.256



21, 84.461, 304.487

Rectangle

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



63, 63.803, 103.256



63, 63.803, 153.256



63, 63.803, 283.256



63, 63.803, 333.256

Sweetspot

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



63, 63.803, 103.258



81, 27.834, 107.683



34, 64.122, 35.189



42, 18.787, 107.383



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



63, 63.803, 103.258



80, 81.911, 102.869



59, 70.498, 126.661



33, 4.947, 109.314



57, 62.932, 102.869



4, 6.504, 110.190

Inverse Universe

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



21, 84.461, 304.487



25, 113.103, 306.288



28, 79.789, 312.541



30, 5.054, 291.123



15, 86.896, 306.288



0, 6.505, 290.188

Previews

White Background



This preview shows how the CIELCh color 63, 63.803, 103.256 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 63, 63.803, 103.256 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 63, 63.803, 103.256

Background



This preview shows how black text looks on a background with the CIELCh color 63, 63.803, 103.256.



This preview shows how white text looks on a background with the CIELCh color 63, 63.803, 103.256.

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
63, 64.036, 103.232

Protanopia
63, 63.223, 95.218

Deuteranopia
63, 61.572, 82.666



Tritanopia
63, 10.188, 343.374

Trichromacy



Original Color
63, 64.036, 103.232

Protanomaly
63, 63.493, 98.215

Deuteranomaly
63, 61.365, 90.734

Tritanomaly
63, 23.963, 94.143

Monochromacy



Original Color
63, 64.036, 103.232

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 27.169, 107.066

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 63.803, 103.256 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(158, 158, 23)` looks like.

```
.text, #text, p{  
    color:rgb(158, 158, 23)  
}
```

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(158, 158, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 158, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 63.803, 103.256 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(158, 158, 23) }
```

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

```
.border{ border-color:rgb(158, 158, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 158, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 158, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 158, 23);  
box-shadow:4px 4px 4px 4px rgb(158, 158,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 63.803, 103.256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 158, 23) }
```

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

```
.background{ background-color: rgb(158,  
158, 23) }
```

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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