

Converting Colors

CIELCh(63, 64.127, 103.249)

Have a look what the booklet for
CIELCh(63, 64.127, 103.249)
contains.

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Color

CIELCh(63, 64.264, 103.617)

Conversions

Conversions Part 1

Format	Color
Hex	9D9E16
RGB	157, 158, 22
RGB Percent	62%, 62%, 9%
CMY	0.3852, 0.3812, 0.9149
CMYK	0.01, 0.00, 0.86, 0.38
HSL	60°, 76%, 35%
HSV	60°, 86%, 62%
XYZ	26.1958, 31.5869, 5.4594
YIQ	142.1970, 43.0600, -42.5080

Conversions

Conversions Part 2

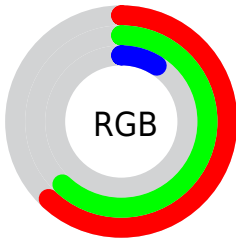
Format	Color
RYB	22, 158, 23
Decimal	10329622
CIELab	63.00, -15.13, 62.46
CIELCh	63, 64.264, 103.617
Yxy	31.5869, 0.4142, 0.4995
Android (android.graphics.Color)	4288519702 (0xFF9D9E16)
YUV	142.1970, -59.2571, 12.9822
Hunter-Lab	56.2022, -15.1554, 33.5822

Details

The CIELCh color **63, 64.264, 103.617** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **21, 85.361, 304.707**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 63.937, 103.418**, and **43, 51.262, 106.141** is the 20% darker color. If you saturate the color by 10%, you get **63, 66.891, 103.382**, and if you desaturate by 10%, it is **63, 59.920, 104.046**.

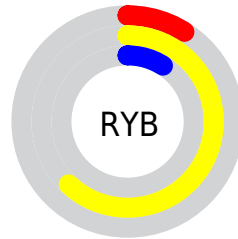
Distribution



Red (62%)

Green (62%)

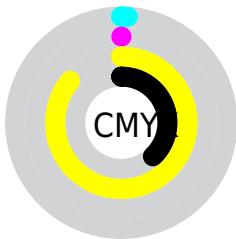
Blue (9%)



Red (9%)

Yellow (62%)

Blue (9%)

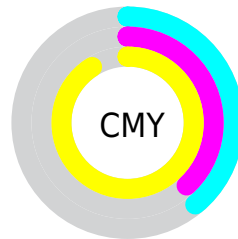


Cyan (1%)

Magenta (0%)

Yellow (86%)

Black (38%)



Cyan (39%)


Magenta (38%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 64.264, 103.617 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, 64.264, 103.617 by changing the saturation by 10% instead.


 63, 64.264,
103.617


 63, 64.264,
103.617


 100, 64.264,
103.617


 53, 64.264,
103.617


 83, 64.264,
103.617

 43, 64.264,
103.617

 93, 64.264,
103.617

 33, 64.264,
103.617

 23, 64.264,
103.617

 13, 64.264,
103.617

 3, 64.264, 103.617

 0, 64.264, 103.617

■ 63, 64.264,
103.617

■ 63, 64.264,
103.617

■ 63, 66.891,
103.382

■ 63, 59.920,
104.046

■ 63, 67.708,
103.311

■ 63, 54.073,
104.645

■ 63, 47.123,
105.378

■ 64, 39.430,
106.206

■ 64, 31.262,
107.095

■ 64, 22.805,
108.019

■ 64, 14.180,
108.956

■ 65, 5.464, 109.886

Harmonies

Complementary

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



63, 64.264, 103.617



21, 85.361, 304.707

Rectangle

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



63, 64.264, 103.617



63, 64.264, 153.617



63, 64.264, 283.617



63, 64.264, 333.617

Sweetspot

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



63, 64.264, 103.619



81, 27.835, 107.997



34, 64.933, 35.567



42, 18.788, 107.700



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, 64.264, 103.619



80, 81.917, 103.320



59, 71.081, 126.722



33, 4.948, 109.609



57, 62.936, 103.307



4, 6.505, 110.545

Inverse Universe

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



21, 85.361, 304.707



25, 113.068, 306.307



27, 80.536, 312.524



30, 5.054, 291.396



15, 86.854, 306.317



0, 6.506, 290.458

Previews

White Background



This preview shows how the CIELCh color 63, 64.264, 103.617 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, 64.264, 103.617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

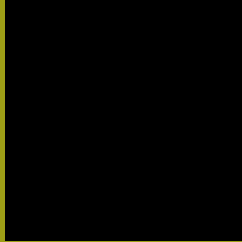
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 64.264, 103.617

Background



This preview shows how black text looks on a background with the CIELCh color 63, 64.264, 103.617.



This preview shows how white text looks on a background with the CIELCh color 63, 64.264, 103.617.

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, 64.264, 103.617

Protanopia
63, 63.663, 95.223

Deuteranopia
63, 61.866, 82.729



Tritanopia
63, 9.882, 341.965

Trichromacy



Original Color
63, 64.264, 103.617

Protanomaly
63, 63.671, 98.623

Deuteranomaly
63, 61.641, 90.758

Tritanomaly
63, 24.397, 95.341

Monochromacy



Original Color
63, 64.264, 103.617

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 27.713, 107.894

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 64.264, 103.617 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(157, 158, 22)` looks like.

```
.text, #text, p{  
    color:rgb(157, 158, 22)  
}
```

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(157, 158, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 158, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 64.264, 103.617 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(157, 158, 22) }
```

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

```
.border{ border-color:rgb(157, 158, 22) }
```

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

Here you see how a box with a 4 pixel rgb(157, 158, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 158, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 158, 22);  
box-shadow:4px 4px 4px 4px rgb(157, 158,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 64.264, 103.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 158, 22) }
```

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

```
.background{ background-color: rgb(157,  
158, 22) }
```

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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