

Converting Colors

CIELCh(63, 29.222, 102.710)

Have a look what the booklet for
CIELCh(63, 29.222, 102.710)
contains.

CIELCh(63, 29.222, 102.710)	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(63, 29.222, 102.710)

Conversions

Conversions Part 1

Format	Color
Hex	9F9A65
RGB	159, 154, 101
RGB Percent	62%, 60%, 40%
CMY	0.3750, 0.3946, 0.6026
CMYK	0.00, 0.03, 0.36, 0.38
HSL	55°, 23%, 51%
HSV	55°, 36%, 62%
XYZ	28.3538, 31.5869, 17.0031
YIQ	149.4530, 19.9930, -15.4230

Conversions

Conversions Part 2

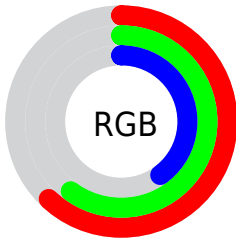
Format	Color
RYB	106, 159, 101
Decimal	10459749
CIELab	63.00, -6.43, 28.51
CIELCh	63, 29.222, 102.710
Yxy	31.5869, 0.3685, 0.4105
Android (android.graphics.Color)	4288649829 (0xFF9F9A65)
YUV	149.4530, -23.8873, 8.3727
Hunter-Lab	56.2022, -8.3015, 21.4043

Details

The CIELCh color **63, 29.222, 102.710** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **47, 31.445, 291.342**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 28.882, 102.069**, and **43, 29.198, 103.036** is the 20% darker color. If you saturate the color by 10%, you get **62, 36.949, 101.683**, and if you desaturate by 10%, it is **64, 21.288, 103.754**.

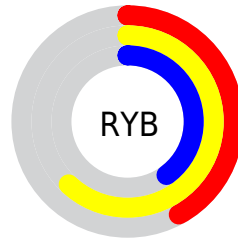
Distribution



Red (62%)

Green (60%)

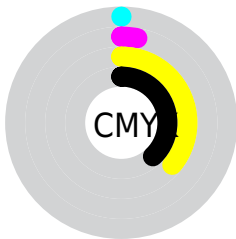
Blue (40%)



Red (42%)

Yellow (62%)

Blue (40%)

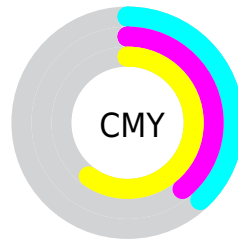


Cyan (0%)

Magenta (3%)

Yellow (36%)

Black (38%)



Cyan (38%)


Magenta (39%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 29.222, 102.710 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, 29.222, 102.710 by changing the saturation by 10% instead.


 63, 29.222,
102.710


 63, 29.222,
102.710


 100, 29.222,
102.710


 53, 29.222,
102.710


 83, 29.222,
102.710

 43, 29.222,
102.710

 93, 29.222,
102.710

 33, 29.222,
102.710

 23, 29.222,
102.710

 13, 29.222,
102.710

 3, 29.222, 102.710

 0, 29.222, 102.710

63, 29.222,
102.710

63, 29.222,
102.710

62, 36.949,
101.683

64, 21.288,
103.754

62, 44.297,
100.681

64, 13.249,
104.790

61, 51.008, 99.727

65, 5.171, 105.802

61, 56.711, 98.843

66, 2.907, 286.846

60, 60.953, 98.044

67, 10.959,
287.791

60, 63.436, 97.331

68, 18.971,
288.717

60, 64.177, 97.085

69, 26.933,
289.605

70, 34.837,
290.451

■ 71, 42.679,
291.254

Harmonies

Complementary

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



63, 29.222, 102.710



47, 31.445, 291.342

Rectangle

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



63, 29.222, 102.710



63, 29.222, 152.710



63, 29.222, 282.710



63, 29.222, 332.710

Sweetspot

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



63, 29.223, 102.714



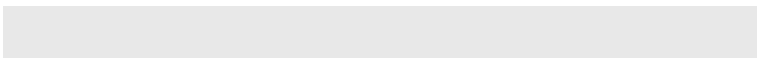
82, 10.970, 105.321



49, 25.039, 15.087



44, 7.430, 105.193



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



63, 29.223, 102.714



79, 43.336, 101.845



63, 33.230, 123.693



33, 4.535, 105.520



54, 59.252, 97.143



4, 5.836, 105.578

Inverse Universe

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



47, 31.445, 291.342



55, 47.717, 292.912



47, 35.381, 307.575



31, 4.615, 287.460



17, 82.578, 304.868



1, 5.980, 286.670

Previews

White Background



This preview shows how the CIELCh color 63, 29.222, 102.710 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 CIELCh color 63, 29.222, 102.710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

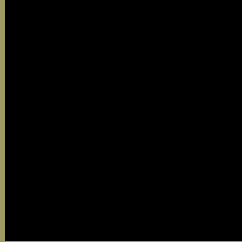
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 29.222, 102.710

Background



This preview shows how black text looks on a background with the CIELCh color 63, 29.222, 102.710.



This preview shows how white text looks on a background with the CIELCh color 63, 29.222, 102.710.

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, 29.222, 102.710

Protanopia

63, 28.721, 95.707

Deuteranopia

63, 28.957, 74.451



Tritanopia
63, 9.943, 337.988

Trichromacy



Original Color
63, 29.222, 102.710

Protanomaly
63, 28.978, 98.396

Deuteranomaly
63, 28.384, 84.629

Tritanomaly
63, 8.756, 69.291

Monochromacy



Original Color
63, 29.222, 102.710

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 11.145, 106.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 29.222, 102.710 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, 154, 101)` looks like.

```
.text, #text, p{  
    color:rgb(159, 154, 101)  
}
```

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, 154, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 154, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 29.222, 102.710 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, 154, 101) }
```

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

```
.border{ border-color:rgb(159, 154, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 154, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 154, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 154, 101);  
box-shadow:4px 4px 4px 4px rgb(159, 154,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 29.222, 102.710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 154, 101) }
```

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

```
.background{ background-color: rgb(159,  
154, 101) }
```

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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