

Converting Colors

CIELCh(63, 58.067, 97.298)

Have a look what the booklet for
CIELCh(63, 58.067, 97.298) contains.

CIELCh(63, 58.034, 97.414)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(63, 58.034, 97.414)

Conversions

Conversions Part 1

Format	Color
Hex	A89A28
RGB	168, 154, 40
RGB Percent	66%, 60%, 16%
CMY	0.3412, 0.3961, 0.8431
CMYK	0.00, 0.08, 0.76, 0.34
HSL	53°, 62%, 41%
HSV	53°, 76%, 66%
XYZ	28.0849, 31.5869, 6.6237
YIQ	145.1900, 44.9380, -32.4860

Conversions

Conversions Part 2

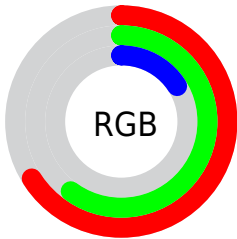
Format	Color
RYB	56, 168, 40
Decimal	11049512
CIELab	63.00, -7.49, 57.55
CIELCh	63, 58.034, 97.414
Yxy	31.5869, 0.4236, 0.4765
Android (android.graphics.Color)	4289239592 (0xFFA89A28)
YUV	145.1900, -51.8587, 20.0044
Hunter-Lab	56.2022, -9.1554, 32.3540

Details

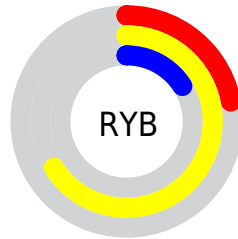
The CIELCh color **63, 58.034, 97.414** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **29, 71.764, 299.426**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 58.137, 97.449**, and **43, 50.000, 97.699** is the 20% darker color. If you saturate the color by 10%, you get **62, 62.437, 96.513**, and if you desaturate by 10%, it is **64, 52.119, 98.381**.

Distribution



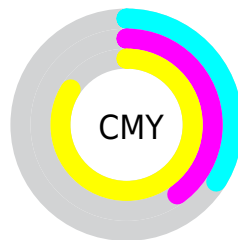
- Red (66%)
- Green (60%)
- Blue (16%)



- Red (22%)
- Yellow (66%)
- Blue (16%)



- Cyan (0%)
- Magenta (8%)
- Yellow (76%)
- Black (34%)



- Cyan (34%)
- Magenta (40%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 58.034, 97.414 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, 58.034, 97.414 by changing the saturation by 10% instead.

63, 58.034, 97.414

63, 58.034, 97.414

100, 58.034,
97.414

53, 58.034, 97.414

83, 58.034, 97.414

43, 58.034, 97.414

93, 58.034, 97.414

33, 58.034, 97.414

23, 58.034, 97.414

13, 58.034, 97.414

3, 58.034, 97.414

0, 58.034, 97.414

63, 58.034, 97.414

63, 58.034, 97.414

62, 62.437, 96.513

64, 52.119, 98.381

62, 64.960, 95.662

64, 45.182, 99.396

62, 65.716, 95.346

65, 37.612,
100.448

66, 29.678,
101.519

67, 21.549,
102.593

67, 13.332,
103.658

68, 5.089, 104.694

69, 3.141, 285.765

70, 11.336,
286.728

Harmonies

Complementary

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



63, 58.034, 97.414



29, 71.764, 299.426

Rectangle

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



63, 58.034, 97.414



63, 58.034, 147.414



63, 58.034, 277.414



63, 58.034, 327.414

Sweetspot

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



63, 58.034, 97.417



85, 23.518, 102.890



38, 56.991, 24.217



45, 16.243, 102.518



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



63, 58.034, 97.417



79, 78.398, 95.957



63, 66.754, 121.967



35, 4.664, 104.378



55, 59.888, 95.432



5, 8.183, 103.327

Inverse Universe

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



29, 71.764, 299.426



32, 106.300, 303.374



31, 78.021, 309.623



33, 4.742, 286.376



18, 83.543, 304.469



1, 8.673, 286.089

Previews

White Background



This preview shows how the CIELCh color 63, 58.034, 97.414 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, 58.034, 97.414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

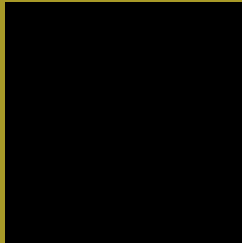
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 58.034, 97.414

Background



This preview shows how black text looks on a background with the CIELCh color 63, 58.034, 97.414.



This preview shows how white text looks on a background with the CIELCh color 63, 58.034, 97.414.

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, 58.034, 97.414

Protanopia

63, 57.925, 95.559

Deuteranopia

63, 57.381, 82.150



Tritanopia
63, 14.273, 355.505

Trichromacy



Original Color
63, 58.034, 97.414

Protanomaly
63, 57.850, 96.012

Deuteranomaly
63, 56.912, 87.387

Tritanomaly
63, 22.585, 78.425

Monochromacy



Original Color
63, 58.034, 97.414

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 22.915, 102.235

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 58.034, 97.414 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(168, 154, 40)` looks like.

```
.text, #text, p{  
    color:rgb(168, 154, 40)  
}
```

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(168, 154, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 154, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 58.034, 97.414 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(168, 154, 40) }
```

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

```
.border{ border-color:rgb(168, 154, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 154, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 154, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 154, 40);  
box-shadow:4px 4px 4px 4px rgb(168, 154,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 58.034, 97.414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 154, 40) }
```

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

```
.background{ background-color: rgb(168,  
154, 40) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor