

Converting Colors

CIELCh(58, 48.652, 98.880)

Have a look what the booklet for
CIELCh(58, 48.652, 98.880) contains.

CIELCh(58, 48.650, 98.976)	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(58, 48.650, 98.976)

Conversions

Conversions Part 1

Format	Color
Hex	978D32
RGB	151, 141, 50
RGB Percent	59%, 55%, 20%
CMY	0.4068, 0.4461, 0.8029
CMYK	0.00, 0.07, 0.67, 0.41
HSL	54°, 50%, 40%
HSV	54°, 67%, 59%
XYZ	22.9551, 25.9610, 6.8469
YIQ	133.6160, 35.1710, -26.1810

Conversions

Conversions Part 2

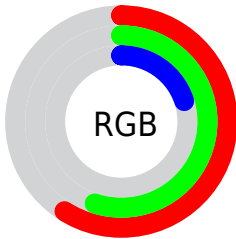
Format	Color
RYB	61, 151, 50
Decimal	9932082
CIELab	58.00, -7.59, 48.05
CIElCh	58, 48.650, 98.976
Yxy	25.9610, 0.4117, 0.4656
Android (android.graphics.Color)	4288122162 (0xFF978D32)
YUV	133.6160, -41.2227, 15.2458
Hunter-Lab	50.9519, -8.7470, 27.6990

Details

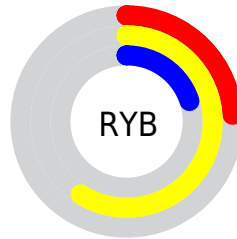
The CIELCh color **58, 48.650, 98.976** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **30, 57.640, 297.269**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **78, 48.607, 98.581**, and **38, 45.765, 99.023** is the 20% darker color. If you saturate the color by 10%, you get **57, 54.093, 98.056**, and if you desaturate by 10%, it is **59, 42.261, 99.960**.

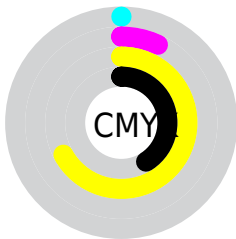
Distribution



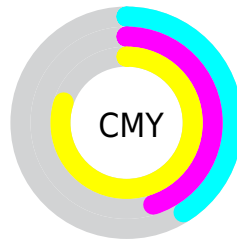
- Red (59%)
- Green (55%)
- Blue (20%)



- Red (24%)
- Yellow (59%)
- Blue (20%)



- Cyan (0%)
- Magenta (7%)
- Yellow (67%)
- Black (41%)



- Cyan (41%)
- Magenta (45%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 48.650, 98.976 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 58, 48.650, 98.976 by changing the saturation by 10% instead.

 58, 48.650, 98.976

 58, 48.650, 98.976

 100, 48.650,
98.976

 48, 48.650, 98.976

 78, 48.650, 98.976

 38, 48.650, 98.976

 88, 48.650, 98.976

 28, 48.650, 98.976

 98, 48.650, 98.976

 18, 48.650, 98.976

 8, 48.650, 98.976

 0, 48.650, 98.976

 58, 48.650, 98.976

 58, 48.650, 98.976

 57, 54.093, 98.056

 59, 42.261, 99.960

 57, 58.152, 97.205

 59, 35.278,

■ 57, 60.579, 96.420

100.982

■ 56, 61.268, 96.174

■ 60, 27.948,
102.028

■ 61, 20.428,
103.080

■ 61, 12.816,
104.125

■ 62, 5.173, 105.146

■ 63, 2.465, 286.203

■ 64, 10.075,
287.149

■ 65, 17.644,
288.082

Harmonies

Complementary

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



58, 48.650, 98.976



30, 57.640, 297.269

Rectangle

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



58, 48.650, 98.976



58, 48.650, 148.976



58, 48.650, 278.976



58, 48.650, 328.976

Sweetspot

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



58, 48.650, 98.979



77, 18.890, 103.749



36, 46.242, 21.915



41, 12.986, 103.479



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



58, 48.650, 98.979



73, 68.215, 97.638



58, 55.765, 122.610



32, 4.355, 104.900



53, 58.003, 96.223



3, 4.667, 105.335

Inverse Universe

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



30, 57.640, 297.269



32, 86.854, 300.979



31, 63.368, 309.548



30, 4.429, 286.851



17, 80.717, 304.593



1, 4.728, 285.928

Previews

White Background



This preview shows how the CIELCh color 58, 48.650, 98.976 looks on a white background.

Color Contrast Check

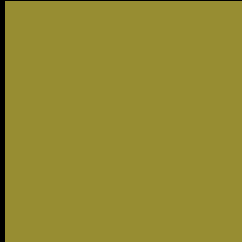
Large Text (above 18pt) WCAG AA ✓ Pass

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 58, 48.650, 98.976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

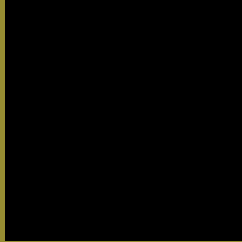
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 48.650, 98.976

Background



This preview shows how black text looks on a background with the CIELCh color 58, 48.650, 98.976.



This preview shows how white text looks on a background with the CIELCh color 58, 48.650, 98.976.

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

58, 48.650, 98.976

Protanopia

58, 48.629, 95.664

Deuteranopia

58, 47.973, 80.534



Tritanopia
58, 12.107, 352.852

Trichromacy



Original Color
58, 48.650, 98.976

Protanomaly
58, 48.473, 96.752

Deuteranomaly
58, 47.508, 86.889

Tritanomaly
58, 17.364, 77.133

Monochromacy



Original Color
58, 48.650, 98.976

Achromatopsia
56, 0.007, 296.813

Achromatomaly
57, 18.703, 104.000

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 48.650, 98.976 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(151, 141, 50)` looks like.

```
.text, #text, p{  
    color:rgb(151, 141, 50)  
}
```

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(151, 141, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 141, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 48.650, 98.976 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(151, 141, 50) }
```

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

```
.border{ border-color:rgb(151, 141, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 141, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 141, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 141, 50);  
box-shadow:4px 4px 4px 4px rgb(151, 141,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 48.650, 98.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 141, 50) }
```

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

```
.background{ background-color: rgb(151,  
141, 50) }
```

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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