

Converting Colors

CIELCh(40, 58.915, 58.394)

Have a look what the booklet for
CIELCh(40, 58.915, 58.394) contains.

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Color

CIELCh(40, 58.938, 58.328)

Conversions

Conversions Part 1

Format	Color
Hex	994700
RGB	153, 71, 0
RGB Percent	60%, 28%, 0%
CMY	0.4005, 0.7220, 1.0000
CMYK	0.00, 0.54, 1.00, 0.40
HSL	28°, 100%, 30%
HSV	28°, 100%, 60%
XYZ	15.3565, 11.2510, 1.3589
YIQ	87.4240, 71.6630, -4.6970

Conversions

Conversions Part 2

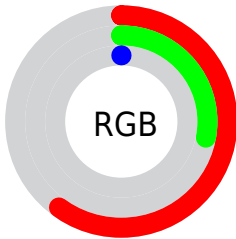
Format	Color
R_{YB}	153, 132, 0
Decimal	10045184
CIE _{Lab}	40.00, 30.95, 50.16
CIE _{LCh}	40, 58.938, 58.328
Yxy	11.2510, 0.5491, 0.4023
Android (android.graphics.Color)	4288235264 (0xFF994700)
YUV	87.4240, -43.1000, 57.5102
Hunter-Lab	33.5425, 23.0218, 21.0777

Details

The CIELCh color **40, 58.938, 58.328** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **35, 45.179, 279.519**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 58.836, 58.446**, and **20, 43.690, 43.823** is the 20% darker color. If you saturate the color by 10%, you get **40, 58.906, 58.310**, and if you desaturate by 10%, it is **42, 53.954, 60.265**.

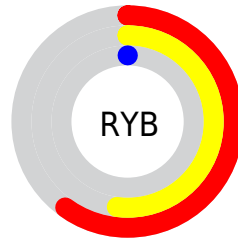
Distribution



Red (60%)

Green (28%)

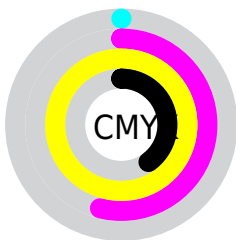
Blue (0%)



Red (60%)

Yellow (52%)

Blue (0%)

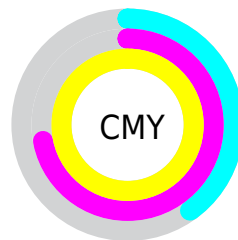


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (40%)



Cyan (40%)

Magenta (72%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 58.938, 58.328 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 40, 58.938, 58.328 by changing the saturation by 10% instead.

40, 58.938, 58.328

40, 58.938, 58.328

100, 58.938,
58.328

30, 58.938, 58.328

60, 58.938, 58.328

20, 58.938, 58.328

70, 58.938, 58.328

10, 58.938, 58.328

80, 58.938, 58.328

0, 58.938, 58.328

90, 58.938, 58.328

40, 58.938, 58.328

40, 58.938, 58.328

40, 58.906, 58.310

42, 53.954, 60.265

44, 48.190, 61.976

■ 46, 41.713, 63.320

■ 48, 35.067, 64.514

■ 51, 28.535, 65.660

■ 53, 22.247, 66.799

■ 55, 16.250, 67.941

■ 58, 10.552, 69.081

■ 61, 5.141, 70.197

Harmonies

Complementary

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



40, 58.938, 58.328



35, 45.179, 279.519

Rectangle

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



40, 58.938, 58.328



40, 58.938, 108.328



40, 58.938, 238.328



40, 58.938, 288.328

Sweetspot

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



40, 58.906, 58.310



71, 20.170, 67.873



33, 58.650, 356.742



36, 13.866, 67.433



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



40, 58.906, 58.310



52, 71.935, 57.499



59, 63.803, 99.636



31, 2.902, 70.280



37, 55.216, 58.621



2, 3.063, 70.502

Inverse Universe

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



35, 45.179, 279.519



45, 55.927, 280.536



18, 88.868, 305.533



31, 2.827, 252.588



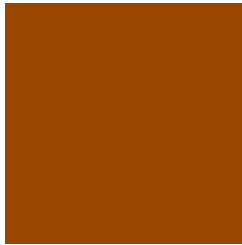
32, 42.130, 279.126



2, 3.095, 252.420

Previews

White Background



This preview shows how the CIELCh color 40, 58.938, 58.328 looks on a white 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

Black Background



This preview shows how the CIELCh color 40, 58.938, 58.328 looks on a black 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

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

CIELCh 40, 58.938, 58.328

Background



This preview shows how black text looks on a background with the CIELCh color 40, 58.938, 58.328.



This preview shows how white text looks on a background with the CIELCh color 40, 58.938, 58.328.

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

40, 58.938, 58.328

Protanopia

40, 43.671, 95.455

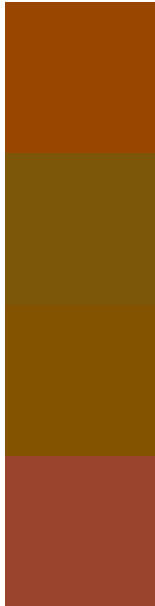
Deuteranopia

40, 48.155, 84.248



Tritanopia
40, 40.890, 23.339

Trichromacy



Original Color
40, 58.938, 58.328

Protanomaly
40, 46.125, 78.285

Deuteranomaly
40, 50.606, 73.032

Tritanomaly
40, 46.257, 42.062

Monochromacy



Original Color
40, 58.938, 58.328

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 22.092, 65.837

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 58.938, 58.328 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(153, 71, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 71, 0)  
}
```

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(153, 71, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 71, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 58.938, 58.328 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(153, 71, 0) }
```

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

```
.border{ border-color:rgb(153, 71, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 71, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 71, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 71, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 71, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 58.938, 58.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 71, 0) }
```

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

```
.background{ background-color: rgb(153, 71,  
0) }
```

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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