

Converting Colors

CIELCh(40, 59.354, 57.184)

Have a look what the booklet for
CIELCh(40, 59.354, 57.184) contains.

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Color

CIELCh(40, 59.228, 57.400)

Conversions

Conversions Part 1

Format	Color
Hex	9A4601
RGB	154, 70, 1
RGB Percent	60%, 27%, 0%
CMY	0.3961, 0.7255, 0.9961
CMYK	0.00, 0.55, 0.99, 0.40
HSL	27°, 99%, 30%
HSV	27°, 99%, 60%
XYZ	15.5202, 11.2510, 1.3822
YIQ	87.2500, 72.2130, -3.6510

Conversions

Conversions Part 2

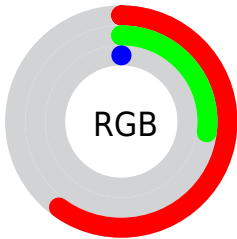
Format	Color
RYB	154, 127, 1
Decimal	10110465
CIELab	40.00, 31.91, 49.90
CIELCh	40, 59.228, 57.400
Yxy	11.2510, 0.5513, 0.3996
Android (android.graphics.Color)	4288300545 (0xFF9A4601)
YUV	87.2500, -42.5213, 58.5397
Hunter-Lab	33.5425, 23.8933, 21.0366

Details

The CIELCh color **40, 59.228, 57.400** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **36, 44.019, 277.812**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 59.305, 57.141**, and **20, 43.878, 43.273** is the 20% darker color. If you saturate the color by 10%, you get **40, 59.586, 57.314**, and if you desaturate by 10%, it is **42, 54.153, 59.329**.

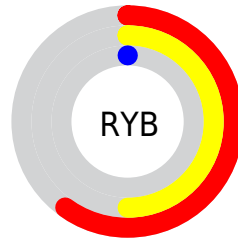
Distribution



Red (60%)

Green (27%)

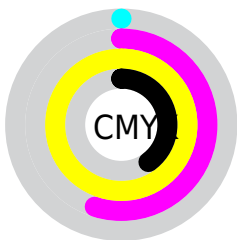
Blue (0%)



Red (60%)

Yellow (50%)

Blue (0%)

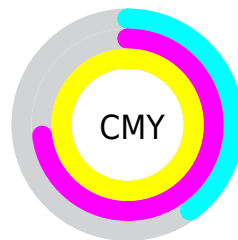


Cyan (0%)

Magenta (55%)

Yellow (99%)

Black (40%)



Cyan (40%)

Magenta (73%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 59.228, 57.400 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, 59.228, 57.400 by changing the saturation by 10% instead.

40, 59.228, 57.400

40, 59.228, 57.400

100, 59.228,
57.400

30, 59.228, 57.400

60, 59.228, 57.400

20, 59.228, 57.400

70, 59.228, 57.400

10, 59.228, 57.400

80, 59.228, 57.400

0, 59.228, 57.400

90, 59.228, 57.400

40, 59.228, 57.400

40, 59.228, 57.400

40, 59.586, 57.314

42, 54.153, 59.329

44, 48.182, 60.940

■ 46, 41.563, 62.204

■ 48, 34.824, 63.335

■ 51, 28.234, 64.430

■ 53, 21.911, 65.525

■ 56, 15.898, 66.631

■ 58, 10.199, 67.739

■ 61, 4.798, 68.823

Harmonies

Complementary

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



40, 59.228, 57.400



36, 44.019, 277.812

Rectangle

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



40, 59.228, 57.400



40, 59.228, 107.400



40, 59.228, 237.400



40, 59.228, 287.400

Sweetspot

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



40, 59.226, 57.402



71, 20.294, 66.492



33, 58.877, 356.566



36, 14.108, 66.057



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



40, 59.226, 57.402



52, 73.095, 56.497



59, 64.008, 99.665



31, 2.883, 68.837



36, 55.538, 57.650



2, 3.042, 69.051

Inverse Universe

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



36, 44.019, 277.812



46, 55.044, 279.131



18, 89.048, 305.475



31, 2.804, 251.108



32, 41.066, 277.655



2, 3.072, 250.998

Previews

White Background



This preview shows how the CIELCh color 40, 59.228, 57.400 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, 59.228, 57.400 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, 59.228, 57.400

Background



This preview shows how black text looks on a background with the CIELCh color 40, 59.228, 57.400.



This preview shows how white text looks on a background with the CIELCh color 40, 59.228, 57.400.

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, 59.228, 57.400

Protanopia

40, 43.671, 95.455

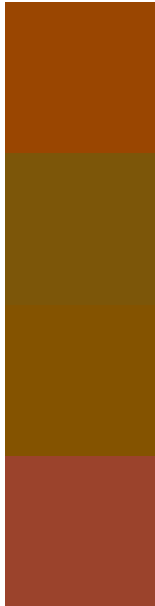
Deuteranopia

40, 48.155, 84.248



Tritanopia
40, 41.845, 23.647

Trichromacy



Original Color
40, 59.228, 57.400

Protanomaly
40, 46.125, 78.285

Deuteranomaly
40, 50.606, 73.032

Tritanomaly
40, 47.267, 41.871

Monochromacy



Original Color
40, 59.228, 57.400

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 21.611, 64.940

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 59.228, 57.400 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(154, 70, 1)` looks like.

```
.text, #text, p{  
    color:rgb(154, 70, 1)  
}
```

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(154, 70, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 70, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 59.228, 57.400 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(154, 70, 1) }
```

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

```
.border{ border-color:rgb(154, 70, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 70, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 70, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 70, 1);  
box-shadow:4px 4px 4px 4px rgb(154, 70, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 59.228, 57.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 70, 1) }
```

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

```
.background{ background-color: rgb(154, 70,  
1) }
```

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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