

Converting Colors

CIELCh(40, 59.278, 49.394)

Have a look what the booklet for
CIELCh(40, 59.278, 49.394) contains.

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Color

CIELCh(40, 59.163, 49.326)

Conversions

Conversions Part 1

Format	Color
Hex	A13F12
RGB	161, 63, 18
RGB Percent	63%, 25%, 7%
CMY	0.3672, 0.7517, 0.9281
CMYK	0.00, 0.61, 0.89, 0.37
HSL	19°, 80%, 35%
HSV	19°, 89%, 63%
XYZ	16.6809, 11.2510, 1.8787
YIQ	87.1720, 72.8530, 6.7810

Conversions

Conversions Part 2

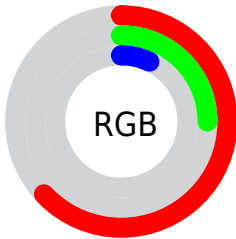
Format	Color
RYB	161, 84, 18
Decimal	10567442
CIELab	40.00, 38.56, 44.87
CIElCh	40, 59.163, 49.326
Yxy	11.2510, 0.5596, 0.3774
Android (android.graphics.Color)	4288757522 (0xFFA13F12)
YUV	87.1720, -34.1018, 64.7472
Hunter-Lab	33.5425, 30.0698, 20.1589

Details

The CIELCh color **40, 59.163, 49.326** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **46, 33.001, 252.875**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 59.245, 49.404**, and **20, 49.359, 38.114** is the 20% darker color. If you saturate the color by 10%, you get **38, 65.465, 48.508**, and if you desaturate by 10%, it is **42, 51.850, 49.796**.

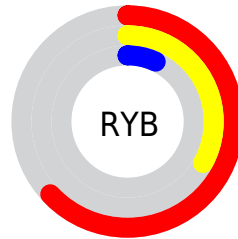
Distribution



Red (63%)

Green (25%)

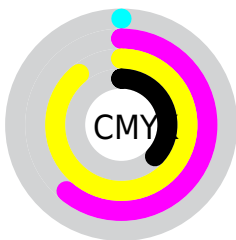
Blue (7%)



Red (63%)

Yellow (33%)

Blue (7%)

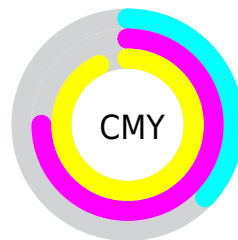


Cyan (0%)

Magenta (61%)

Yellow (89%)

Black (37%)



Cyan (37%)

Magenta (75%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 59.163, 49.326 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, 59.163, 49.326 by changing the saturation by 10% instead.

■ 40, 59.163, 49.326

■ 40, 59.163, 49.326

■ 100, 59.163,
49.326

■ 30, 59.163, 49.326

■ 60, 59.163, 49.326

■ 20, 59.163, 49.326

■ 70, 59.163, 49.326

■ 10, 59.163, 49.326

■ 80, 59.163, 49.326

■ 0, 59.163, 49.326

■ 90, 59.163, 49.326

■ 40, 59.163, 49.326

■ 40, 59.163, 49.326

■ 38, 65.465, 48.508

■ 42, 51.850, 49.796

■ 38, 66.375, 48.500

■ 45, 44.111, 50.024

■ 48, 36.478, 50.249

■ 51, 29.189, 50.558

■ 54, 22.338, 50.970

■ 57, 15.946, 51.477

■ 60, 10.000, 52.058

■ 63, 4.470, 52.665

■ 67, 0.681, 234.086

Harmonies

Complementary

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



40, 59.163, 49.326



46, 33.001, 252.875

Rectangle

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



40, 59.163, 49.326



40, 59.163, 99.326



40, 59.163, 229.326



40, 59.163, 279.326

Sweetspot

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



40, 59.161, 49.328



73, 18.481, 51.540



37, 64.429, 342.698



37, 12.576, 51.368



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



40, 59.161, 49.328



49, 81.020, 47.860



56, 58.082, 89.662



33, 2.959, 52.628



34, 61.244, 48.783



2, 4.489, 49.687

Inverse Universe

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



46, 33.001, 252.875



56, 43.366, 259.247



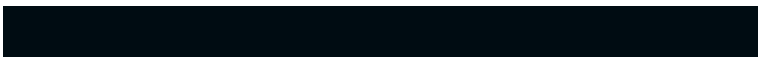
26, 73.092, 299.196



33, 2.823, 234.190



40, 32.663, 257.711



3, 4.499, 240.477

Previews

White Background



This preview shows how the CIELCh color 40, 59.163, 49.326 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, 59.163, 49.326 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, 59.163, 49.326

Background



This preview shows how black text looks on a background with the CIELCh color 40, 59.163, 49.326.



This preview shows how white text looks on a background with the CIELCh color 40, 59.163, 49.326.

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, 59.163, 49.326

Protanopia

40, 39.290, 95.299

Deuteranopia

40, 48.155, 84.248



Tritanopia
40, 47.964, 25.579

Trichromacy



Original Color
40, 59.163, 49.326

Protanomaly
39, 42.258, 72.060

Deuteranomaly
39, 49.702, 68.674

Tritanomaly
40, 50.927, 36.422

Monochromacy



Original Color
40, 59.163, 49.326

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 20.233, 50.042

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 59.163, 49.326 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(161, 63, 18)` looks like.

```
.text, #text, p{  
    color:rgb(161, 63, 18)  
}
```

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(161, 63, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 63, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 59.163, 49.326 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(161, 63, 18) }
```

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

```
.border{ border-color:rgb(161, 63, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 63, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 63, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 63, 18);  
box-shadow:4px 4px 4px 4px rgb(161, 63,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 59.163, 49.326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 63, 18) }
```

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

```
.background{ background-color: rgb(161, 63,  
18) }
```

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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