

Converting Colors

CIELCh(40, 59.321, 27.014)

Have a look what the booklet for
CIELCh(40, 59.321, 27.014) contains.

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Color

CIELCh(40, 59.425, 26.813)

Conversions

Conversions Part 1

Format	Color
Hex	B02C36
RGB	176, 44, 54
RGB Percent	69%, 17%, 21%
CMY	0.3107, 0.8283, 0.7889
CMYK	0.00, 0.75, 0.69, 0.31
HSL	355°, 60%, 43%
HSV	355°, 75%, 69%
XYZ	19.4048, 11.2510, 4.6178
YIQ	84.6080, 75.4620, 31.0940

Conversions

Conversions Part 2

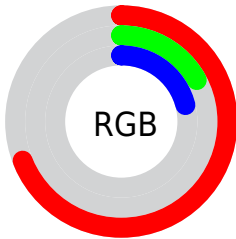
Format	Color
RYB	176, 44, 54
Decimal	11545654
CIELab	40.00, 53.04, 26.81
CIELCh	40, 59.425, 26.813
Yxy	11.2510, 0.5501, 0.3190
Android (android.graphics.Color)	4289735734 (0xFFB02C36)
YUV	84.6080, -15.0897, 80.1508
Hunter-Lab	33.5425, 44.5654, 15.3173

Details

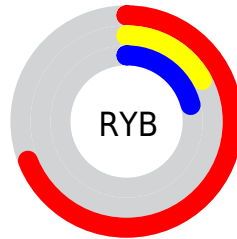
The CIELCh color **40, 59.425, 26.813** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **65, 36.877, 187.608**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 59.639, 26.581**, and **23, 54.039, 33.606** is the 20% darker color. If you saturate the color by 10%, you get **38, 66.838, 30.872**, and if you desaturate by 10%, it is **43, 51.358, 23.379**.

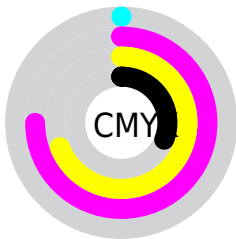
Distribution



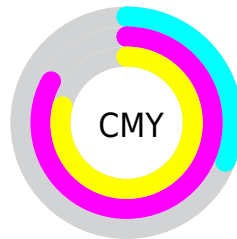
- Red (69%)
- Green (17%)
- Blue (21%)



- Red (69%)
- Yellow (17%)
- Blue (21%)



- Cyan (0%)
- Magenta (75%)
- Yellow (69%)
- Black (31%)



- Cyan (31%)
- Magenta (83%)
- Yellow (79%)
- Black (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 59.425, 26.813 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, 59.425, 26.813 by changing the saturation by 10% instead.

 40, 59.425, 26.813

 40, 59.425, 26.813

 100, 59.425,
26.813

 30, 59.425, 26.813

 60, 59.425, 26.813

 20, 59.425, 26.813

 70, 59.425, 26.813

 10, 59.425, 26.813

 80, 59.425, 26.813

 0, 59.425, 26.813

 90, 59.425, 26.813

 40, 59.425, 26.813

 40, 59.425, 26.813

 38, 66.838, 30.872

 43, 51.358, 23.379

 37, 73.205, 35.132

 46, 42.934, 20.620

36, 75.904, 36.830

50, 34.433, 18.450

55, 26.099, 16.746

59, 18.101, 15.397

64, 10.535, 14.304

69, 3.438, 13.337

74, 3.192, 192.916

79, 9.379, 192.213

Harmonies

Complementary

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



40, 59.425, 26.813



65, 36.877, 187.608

Rectangle

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



40, 59.425, 26.813



40, 59.425, 76.813



40, 59.425, 206.813



40, 59.425, 256.813

Sweetspot

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



40, 59.422, 26.815



77, 20.495, 15.196



43, 78.312, 325.136



39, 14.332, 15.624



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



40, 59.422, 26.815



49, 86.827, 33.664



50, 50.952, 58.360



34, 3.831, 13.747



31, 67.256, 36.296



2, 7.843, 14.247

Inverse Universe

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



40, 59.422, 26.815



49, 86.827, 33.664



49, 36.142, 262.997



34, 3.831, 13.747



31, 67.256, 36.296



2, 7.843, 14.247

Previews

White Background



This preview shows how the CIELCh color 40, 59.425, 26.813 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 CIE LCh color 40, 59.425, 26.813 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, 59.425, 26.813

Background



This preview shows how black text looks on a background with the CIELCh color 40, 59.425, 26.813.

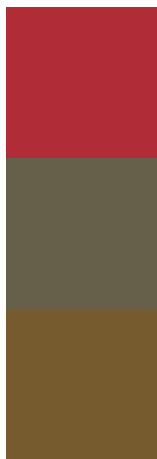


This preview shows how white text looks on a background with the CIELCh color 40, 59.425, 26.813.

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, 59.425, 26.813

Protanopia

40, 13.671, 94.591

Deuteranopia

40, 30.049, 80.560



Tritanopia
40, 60.876, 30.686

Trichromacy



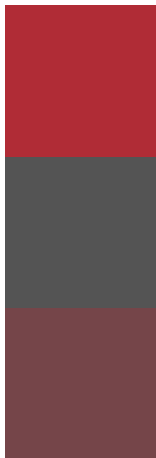
Original Color
40, 59.425, 26.813

Protanomaly
38, 26.310, 36.141

Deuteranomaly
39, 36.392, 47.209

Tritanomaly
40, 60.369, 29.690

Monochromacy



Original Color
40, 59.425, 26.813

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 22.127, 16.915

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 59.425, 26.813 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(176, 44, 54)` looks like.

```
.text, #text, p{  
    color:rgb(176, 44, 54)  
}
```

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(176, 44, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 44, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 59.425, 26.813 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(176, 44, 54) }
```

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

```
.border{ border-color:rgb(176, 44, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 44, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 44, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 44, 54);  
box-shadow:4px 4px 4px 4px rgb(176, 44,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 59.425, 26.813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 44, 54) }
```

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

```
.background{ background-color: rgb(176, 44,  
54) }
```

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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