

Converting Colors

CIELCh(40, 63.325, 18.218)

Have a look what the booklet for
CIELCh(40, 63.325, 18.218) contains.

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Color

CIELCh(40, 63.361, 18.015)

Conversions

Conversions Part 1

Format	Color
Hex	B71C42
RGB	183, 28, 66
RGB Percent	72%, 11%, 26%
CMY	0.2832, 0.8912, 0.7418
CMYK	0.00, 0.85, 0.64, 0.28
HSL	345°, 74%, 41%
HSV	345°, 85%, 72%
XYZ	20.8675, 11.2510, 6.2030
YIQ	78.6770, 80.1820, 44.6780

Conversions

Conversions Part 2

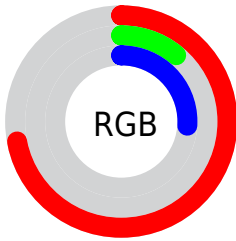
Format	Color
RYB	183, 28, 66
Decimal	12000322
CIELab	40.00, 60.25, 19.60
CIElCh	40, 63.361, 18.015
Yxy	11.2510, 0.5445, 0.2936
Android (android.graphics.Color)	4290190402 (0xFFB71C42)
YUV	78.6770, -6.2498, 91.4913
Hunter-Lab	33.5425, 52.3492, 12.5152

Details

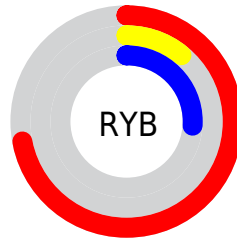
The CIELCh color **40, 63.361, 18.015** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **67, 47.635, 169.374**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 63.179, 17.935**, and **24, 53.003, 27.528** is the 20% darker color. If you saturate the color by 10%, you get **39, 67.997, 23.094**, and if you desaturate by 10%, it is **42, 57.681, 13.785**.

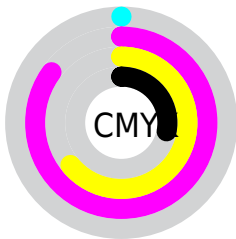
Distribution



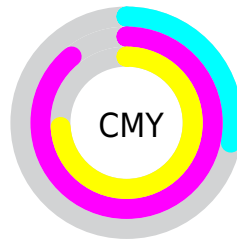
- Red (72%)
- Green (11%)
- Blue (26%)



- Red (72%)
- Yellow (11%)
- Blue (26%)



- Cyan (0%)
- Magenta (85%)
- Yellow (64%)
- Black (28%)



- Cyan (28%)
- Magenta (89%)
- Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 63.361, 18.015 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, 63.361, 18.015 by changing the saturation by 10% instead.

 40, 63.361, 18.015

 40, 63.361, 18.015

 100, 63.361,
18.015

 30, 63.361, 18.015

 60, 63.361, 18.015

 20, 63.361, 18.015

 70, 63.361, 18.015

 10, 63.361, 18.015

 80, 63.361, 18.015

 0, 63.361, 18.015

 90, 63.361, 18.015

 40, 63.361, 18.015

 40, 63.361, 18.015

 39, 67.997, 23.094

 42, 57.681, 13.785

 38, 70.297, 25.773

 45, 50.952, 10.396

■ 49, 43.404, 7.715

■ 53, 35.370, 5.582

■ 57, 27.166, 3.859

■ 62, 19.033, 2.438

■ 67, 11.129, 1.235

■ 72, 3.542, 0.134

■ 77, 3.691, 179.512

Harmonies

Complementary

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



40, 63.361, 18.015



67, 47.635, 169.374

Rectangle

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



40, 63.361, 18.015



40, 63.361, 68.015



40, 63.361, 198.015



40, 63.361, 248.015

Sweetspot

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



40, 63.358, 18.017



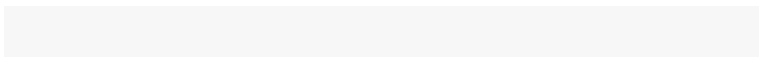
78, 23.706, 2.515



38, 86.932, 319.655



40, 16.411, 2.988



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



40, 63.358, 18.017



50, 86.089, 26.801



44, 64.587, 45.454



36, 4.214, 0.636



32, 62.059, 24.993



2, 11.032, 4.806

Inverse Universe

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



40, 63.358, 18.017



50, 86.089, 26.801



56, 33.396, 239.798



36, 4.214, 0.636



32, 62.059, 24.993



2, 11.032, 4.806

Previews

White Background



This preview shows how the CIELCh color 40, 63.361, 18.015 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, 63.361, 18.015 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, 63.361, 18.015

Background



This preview shows how black text looks on a background with the CIELCh color 40, 63.361, 18.015.



This preview shows how white text looks on a background with the CIELCh color 40, 63.361, 18.015.

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, 63.361, 18.015

Protanopia

41, 1.746, 63.262

Deuteranopia

40, 23.540, 76.176



Tritanopia
40, 68.085, 33.750

Trichromacy



Original Color
40, 63.361, 18.015

Protanomaly
37, 26.509, 8.286

Deuteranomaly
38, 35.121, 31.715

Tritanomaly
40, 65.722, 28.377

Monochromacy



Original Color
40, 63.361, 18.015

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 26.308, 5.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 63.361, 18.015 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(183, 28, 66)` looks like.

```
.text, #text, p{  
    color:rgb(183, 28, 66)  
}
```

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(183, 28, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 28, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 63.361, 18.015 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(183, 28, 66) }
```

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

```
.border{ border-color:rgb(183, 28, 66) }
```

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

Here you see how a box with a 4 pixel rgb(183, 28, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 28, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 28, 66);  
box-shadow:4px 4px 4px 4px rgb(183, 28,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 63.361, 18.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 28, 66) }
```

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

```
.background{ background-color: rgb(183, 28,  
66) }
```

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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