

Converting Colors

CIELCh(40, 82.978, 40.378)

Have a look what the booklet for
CIELCh(40, 82.978, 40.378) contains.

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Color

CIELCh(40, 83.118, 40.379)

Conversions

Conversions Part 1

Format	Color
Hex	BF0A01
RGB	191, 10, 1
RGB Percent	75%, 4%, 0%
CMY	0.2524, 0.9602, 0.9970
CMYK	0.00, 0.95, 1.00, 0.25
HSL	3°, 99%, 38%
HSV	3°, 100%, 75%
XYZ	21.5095, 11.2510, 1.0600
YIQ	63.0930, 110.7650, 35.5730

Conversions

Conversions Part 2

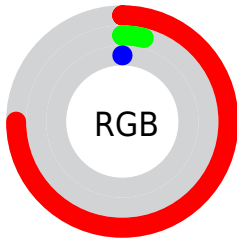
Format	Color
R_{YB}	191, 10, 1
Decimal	12519937
CIE Lab	40.00, 63.32, 53.85
CIE LCh	40, 83.118, 40.379
Yxy	11.2510, 0.6360, 0.3327
Android (android.graphics.Color)	4290710017 (0xFFBF0A01)
YUV	63.0930, -30.6118, 112.1744
Hunter-Lab	33.5425, 55.7661, 21.6061

Details

The CIELCh color **40, 83.118, 40.379** is a dark color, and the websafe version is hex **CC0000**. A complement of this color would be **67, 37.684, 204.567**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 82.622, 40.438**, and **25, 60.901, 38.314** is the 20% darker color. If you saturate the color by 10%, you get **40, 83.351, 40.500**, and if you desaturate by 10%, it is **41, 77.022, 38.075**.

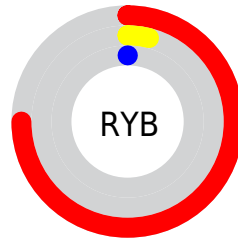
Distribution



Red (75%)

Green (4%)

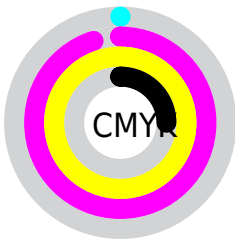
Blue (0%)



Red (75%)

Yellow (4%)

Blue (0%)

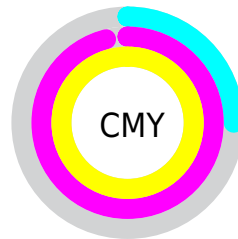


Cyan (0%)

Magenta (95%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (96%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 83.118, 40.379 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, 83.118, 40.379 by changing the saturation by 10% instead.

 40, 83.118, 40.379

 40, 83.118, 40.379

 100, 83.118,
40.379

 30, 83.118, 40.379

 60, 83.118, 40.379

 20, 83.118, 40.379

 70, 83.118, 40.379

 10, 83.118, 40.379

 80, 83.118, 40.379

 0, 83.118, 40.379

 90, 83.118, 40.379

 40, 83.118, 40.379

 40, 83.118, 40.379

 40, 83.351, 40.500

 41, 77.022, 38.075

 43, 68.740, 35.260

■ 46, 59.375, 32.453

■ 49, 49.716, 30.061

■ 53, 40.167, 28.159

■ 57, 30.975, 26.697

■ 62, 22.290, 25.589

■ 67, 14.184, 24.752

■ 72, 6.672, 24.096

Harmonies

Complementary

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



40, 83.118, 40.379



67, 37.684, 204.567

Rectangle

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



40, 83.118, 40.379



40, 83.118, 90.379



40, 83.118, 220.379



40, 83.118, 270.379

Sweetspot

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



40, 83.115, 40.381



79, 28.010, 25.675



45, 90.394, 329.598



40, 19.585, 26.121



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



40, 83.115, 40.381



52, 101.586, 40.364



52, 67.487, 63.414



37, 3.903, 24.081



33, 72.130, 40.358



3, 11.840, 22.355

Inverse Universe

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



67, 37.684, 204.567



85, 45.804, 204.737



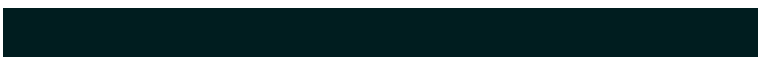
40, 61.860, 287.113



39, 3.678, 203.473



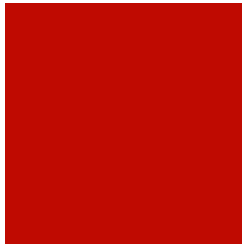
56, 32.850, 204.473



9, 10.909, 203.216

Previews

White Background



This preview shows how the CIELCh color 40, 83.118, 40.379 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, 83.118, 40.379 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, 83.118, 40.379

Background



This preview shows how black text looks on a background with the CIELCh color 40, 83.118, 40.379.



This preview shows how white text looks on a background with the CIELCh color 40, 83.118, 40.379.

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, 83.190, 40.324

Protanopia

41, 40.480, 96.189

Deuteranopia

41, 48.609, 85.127



Tritanopia
40, 82.503, 40.990

Trichromacy



Original Color
40, 83.190, 40.324

Protanomaly
36, 49.923, 55.689

Deuteranomaly
37, 57.979, 55.577

Tritanomaly
40, 82.693, 40.843

Monochromacy



Original Color
40, 83.190, 40.324

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 33.287, 30.700

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 83.118, 40.379 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(191, 10, 1)` looks like.

```
.text, #text, p{  
    color:rgb(191, 10, 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(191, 10, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 10, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 83.118, 40.379 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(191, 10, 1) }
```

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

```
.border{ border-color:rgb(191, 10, 1) }
```

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

Here you see how a box with a 4 pixel rgb(191, 10, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 10, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 10, 1);  
box-shadow:4px 4px 4px 4px rgb(191, 10, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 83.118, 40.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 10, 1) }
```

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

```
.background{ background-color: rgb(191, 10,  
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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