

Converting Colors

CIELCh(40, 69.222, 20.774)

Have a look what the booklet for
CIELCh(40, 69.222, 20.774) contains.

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Color

CIELCh(40, 69.323, 20.980)

Conversions

Conversions Part 1

Format	Color
Hex	BD063A
RGB	189, 6, 58
RGB Percent	74%, 2%, 23%
CMY	0.2589, 0.9765, 0.7726
CMYK	0.00, 0.97, 0.69, 0.26
HSL	343°, 94%, 38%
HSV	343°, 97%, 74%
XYZ	21.8095, 11.2510, 5.0234
YIQ	66.6450, 92.3760, 54.9680

Conversions

Conversions Part 2

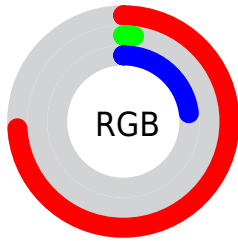
Format	Color
RYB	189, 6, 58
Decimal	12387898
CIELab	40.00, 64.73, 24.82
CIELCh	40, 69.323, 20.980
Yxy	11.2510, 0.5727, 0.2954
Android (android.graphics.Color)	4290577978 (0xFFBD063A)
YUV	66.6450, -4.2620, 107.3053
Hunter-Lab	33.5425, 57.3625, 14.6004

Details

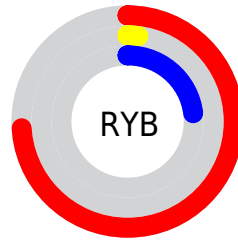
The CIELCh color **40, 69.323, 20.980** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **68, 54.475, 163.746**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 69.363, 20.771**, and **25, 56.891, 32.238** is the 20% darker color. If you saturate the color by 10%, you get **40, 70.598, 22.628**, and if you desaturate by 10%, it is **41, 65.280, 15.809**.

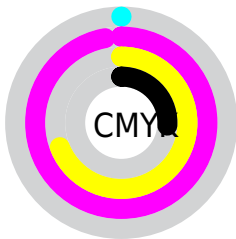
Distribution



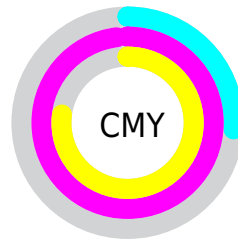
- Red (74%)
- Green (2%)
- Blue (23%)



- Red (74%)
- Yellow (2%)
- Blue (23%)



- Cyan (0%)
- Magenta (97%)
- Yellow (69%)
- Black (26%)



- Cyan (26%)
- Magenta (98%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 40, 69.323, 20.980 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, 69.323, 20.980 by changing the saturation by 10% instead.

 40, 69.323, 20.980

 40, 69.323, 20.980

 100, 69.323,
20.980

 30, 69.323, 20.980

 60, 69.323, 20.980

 20, 69.323, 20.980

 70, 69.323, 20.980

 10, 69.323, 20.980

 80, 69.323, 20.980

 0, 69.323, 20.980

 90, 69.323, 20.980

 40, 69.323, 20.980

 40, 69.323, 20.980

 40, 70.598, 22.628

 41, 65.280, 15.809

 43, 60.137, 11.490

■ 46, 53.763, 8.040

■ 49, 46.365, 5.313

■ 54, 38.296, 3.144

■ 58, 29.912, 1.389

■ 63, 21.497,
359.939

■ 68, 13.243,
358.711

■ 73, 5.265, 357.615

Harmonies

Complementary

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



40, 69.323, 20.980



68, 54.475, 163.746

Rectangle

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



40, 69.323, 20.980



40, 69.323, 70.980



40, 69.323, 200.980



40, 69.323, 250.980

Sweetspot

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



40, 69.320, 20.982



78, 28.788, 0.297



36, 94.595, 317.527



39, 19.862, 0.912



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



40, 69.320, 20.982



52, 86.267, 23.633



42, 77.095, 43.227



37, 4.386, 357.888



33, 61.567, 21.779



3, 12.789, 3.493

Inverse Universe

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



40, 69.320, 20.982



52, 86.267, 23.633



58, 34.810, 234.470



37, 4.386, 357.888



33, 61.567, 21.779



3, 12.789, 3.493

Previews

White Background



This preview shows how the CIELCh color 40, 69.323, 20.980 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, 69.323, 20.980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

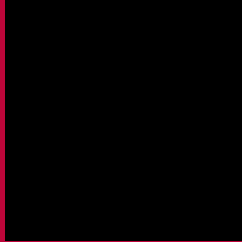
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 69.323, 20.980

Background



This preview shows how black text looks on a background with the CIELCh color 40, 69.323, 20.980.



This preview shows how white text looks on a background with the CIELCh color 40, 69.323, 20.980.

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, 69.323, 20.980

Protanopia

41, 6.422, 89.366

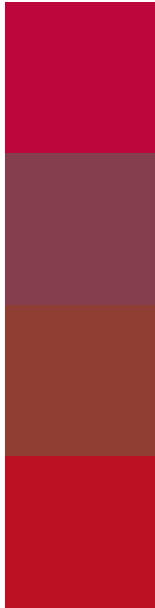
Deuteranopia

41, 29.211, 79.090



Tritanopia
40, 76.557, 37.442

Trichromacy



Original Color
40, 69.323, 20.980

Protanomaly
36, 32.031, 11.471

Deuteranomaly
37, 41.377, 33.586

Tritanomaly
40, 73.573, 32.148

Monochromacy



Original Color
40, 69.323, 20.980

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 31.412, 5.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 69.323, 20.980 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(189, 6, 58)` looks like.

```
.text, #text, p{  
    color:rgb(189, 6, 58)  
}
```

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(189, 6, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 6, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 69.323, 20.980 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(189, 6, 58) }
```

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

```
.border{ border-color:rgb(189, 6, 58) }
```

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

Here you see how a box with a 4 pixel rgb(189, 6, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 6, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 6, 58);  
box-shadow:4px 4px 4px 4px rgb(189, 6, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 69.323, 20.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 6, 58) }
```

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

```
.background{ background-color: rgb(189, 6,  
58) }
```

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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