

Converting Colors

CIELCh(36, 78.236, 18.683)

Have a look what the booklet for
CIELCh(36, 78.236, 18.683) contains.

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Color

CIELCh(39, 70.662, 24.048)

Conversions

Conversions Part 1

Format	Color
Hex	BA0031
RGB	186, 0, 49
RGB Percent	73%, 0%, 19%
CMY	0.2695, 1.0000, 0.8059
CMYK	0.00, 1.00, 0.73, 0.27
HSL	344°, 100%, 37%
HSV	344°, 100%, 73%
XYZ	20.8599, 10.6589, 3.9187
YIQ	61.2000, 95.1270, 54.6710

Conversions

Conversions Part 2

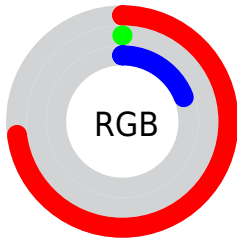
Format	Color
RYB	186, 0, 49
Decimal	12189745
CIELab	39.00, 64.53, 28.79
CIElCh	39, 70.662, 24.048
Yxy	10.6589, 0.5886, 0.3008
Android (android.graphics.Color)	4290379825 (0xFFBA0031)
YUV	61.2000, -6.0146, 109.4496
Hunter-Lab	32.6480, 56.9156, 15.7370

Details

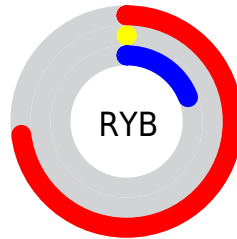
The CIELCh color **39, 70.662, 24.048** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **67, 53.422, 164.682**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 70.328, 24.372**, and **25, 58.776, 36.831** is the 20% darker color. If you saturate the color by 10%, you get **39, 70.513, 24.173**, and if you desaturate by 10%, it is **40, 66.332, 18.916**.

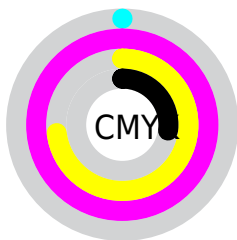
Distribution



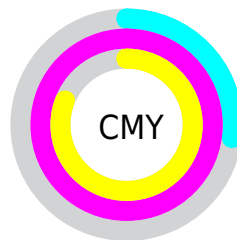
- Red (73%)
- Green (0%)
- Blue (19%)



- Red (73%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (73%)
- Black (27%)



- Cyan (27%)
- Magenta (100%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 70.662, 24.048 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 39, 70.662, 24.048 by changing the saturation by 10% instead.

 39, 70.662, 24.048

 39, 70.662, 24.048

 100, 70.662,
24.048

 29, 70.662, 24.048

 59, 70.662, 24.048

 19, 70.662, 24.048

 69, 70.662, 24.048

 9, 70.662, 24.048

 79, 70.662, 24.048

 0, 70.662, 24.048

 89, 70.662, 24.048

 99, 70.662, 24.048

 39, 70.662, 24.048

 39, 70.662, 24.048

 39, 70.513, 24.173

 40, 66.332, 18.916

42, 61.398, 14.263

44, 55.299, 10.495

48, 48.159, 7.510

51, 40.291, 5.145

56, 32.046, 3.247

60, 23.722, 1.695

65, 15.531, 0.395

70, 7.603, 359.268

Harmonies

Complementary

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



39, 70.662, 24.048



67, 53.422, 164.682

Rectangle

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



39, 70.662, 24.048



39, 70.662, 74.048



39, 70.662, 204.048



39, 70.662, 254.048

Sweetspot

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



39, 70.513, 24.173



77, 29.391, 1.765



36, 94.011, 318.433



39, 20.340, 2.393



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



39, 70.513, 24.173



51, 86.477, 25.202



42, 77.238, 44.604



37, 4.348, 359.199



33, 62.152, 23.389



3, 12.725, 4.474

Inverse Universe

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



39, 70.513, 24.173



51, 86.477, 25.202



55, 35.532, 242.779



37, 4.348, 359.199



33, 62.152, 23.389



3, 12.725, 4.474

Previews

White Background



This preview shows how the CIELCh color 39, 70.662, 24.048 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 39, 70.662, 24.048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

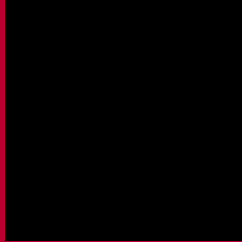
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 70.662, 24.048

Background



This preview shows how black text looks on a background with the CIELCh color 39, 70.662, 24.048.

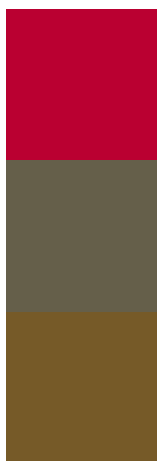


This preview shows how white text looks on a background with the CIELCh color 39, 70.662, 24.048.

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

39, 70.525, 24.363

Protanopia

40, 12.980, 96.073

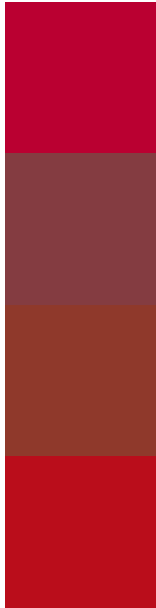
Deuteranopia

40, 33.101, 80.396



Tritanopia
40, 77.745, 38.460

Trichromacy



Original Color
39, 70.525, 24.363

Protanomaly
35, 33.587, 20.676

Deuteranomaly
36, 44.617, 37.215

Tritanomaly
39, 75.098, 34.157

Monochromacy



Original Color
39, 70.525, 24.363

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 32.393, 7.699

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 70.662, 24.048 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(186, 0, 49)` looks like.

```
.text, #text, p{  
    color:rgb(186, 0, 49)  
}
```

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(186, 0, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 0, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 70.662, 24.048 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(186, 0, 49) }
```

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

```
.border{ border-color:rgb(186, 0, 49) }
```

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

Here you see how a box with a 4 pixel rgb(186, 0, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(186, 0, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 70.662, 24.048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 0, 49) }
```

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

```
.background{ background-color: rgb(186, 0,  
49) }
```

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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