

Converting Colors

CIELCh(35, 78.744, 20.100)

Have a look what the booklet for
CIELCh(35, 78.744, 20.100) contains.

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Color

CIELCh(39, 70.709, 25.907)

Conversions

Conversions Part 1

Format	Color
Hex	BA042E
RGB	186, 4, 46
RGB Percent	73%, 2%, 18%
CMY	0.2725, 0.9850, 0.8195
CMYK	0.00, 0.98, 0.75, 0.27
HSL	346°, 96%, 37%
HSV	346°, 98%, 73%
XYZ	20.6684, 10.6589, 3.5569
YIQ	63.2060, 94.9900, 51.6460

Conversions

Conversions Part 2

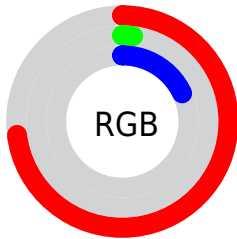
Format	Color
RYB	186, 4, 46
Decimal	12190766
CIELab	39.00, 63.60, 30.89
CIELCh	39, 70.709, 25.907
Yxy	10.6589, 0.5925, 0.3056
Android (android.graphics.Color)	4290380846 (0xFFBA042E)
YUV	63.2060, -8.4826, 107.6903
Hunter-Lab	32.6480, 55.8686, 16.3943

Details

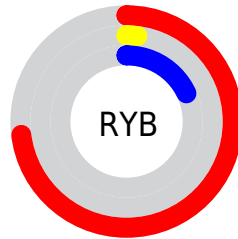
The CIELCh color **39, 70.709, 25.907** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **67, 50.585, 168.075**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **59, 70.601, 25.920**, and **25, 59.691, 38.106** is the 20% darker color. If you saturate the color by 10%, you get **39, 71.692, 26.944**, and if you desaturate by 10%, it is **40, 66.018, 20.683**.

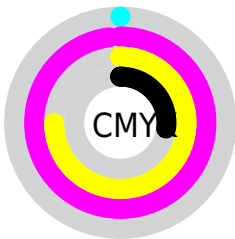
Distribution



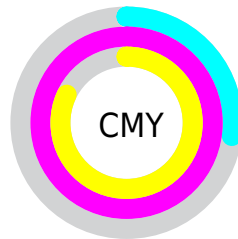
- Red (73%)
- Green (2%)
- Blue (18%)



- Red (73%)
- Yellow (2%)
- Blue (18%)



- Cyan (0%)
- Magenta (98%)
- Yellow (75%)
- Black (27%)



- Cyan (27%)
- Magenta (99%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 70.709, 25.907 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, 70.709, 25.907 by changing the saturation by 10% instead.

 39, 70.709, 25.907

 39, 70.709, 25.907

 100, 70.709,
25.907

 29, 70.709, 25.907

 59, 70.709, 25.907

 19, 70.709, 25.907

 69, 70.709, 25.907

 9, 70.709, 25.907

 79, 70.709, 25.907

 0, 70.709, 25.907

 89, 70.709, 25.907

 99, 70.709, 25.907

 39, 70.709, 25.907

 39, 70.709, 25.907

 39, 71.692, 26.944

 40, 66.018, 20.683

■ 42, 60.459, 16.140

■ 45, 53.849, 12.456

■ 48, 46.355, 9.535

■ 52, 38.294, 7.220

■ 56, 29.993, 5.365

■ 61, 21.720, 3.850

■ 66, 13.655, 2.583

■ 71, 5.903, 1.476

Harmonies

Complementary

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



39, 70.709, 25.907



67, 50.585, 168.075

Rectangle

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



39, 70.709, 25.907



39, 70.709, 75.907



39, 70.709, 205.907



39, 70.709, 255.907

Sweetspot

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



39, 70.706, 25.909



77, 28.083, 4.066



37, 92.620, 319.648



39, 19.573, 4.699



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, 70.706, 25.909



51, 88.287, 27.970



43, 74.337, 45.911



36, 4.190, 1.626



32, 62.548, 26.105



2, 10.992, 5.572

Inverse Universe

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



39, 70.706, 25.909



51, 88.287, 27.970



53, 36.410, 248.735



36, 4.190, 1.626



32, 62.548, 26.105



2, 10.992, 5.572

Previews

White Background



This preview shows how the CIE LCh color 39, 70.709, 25.907 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, 70.709, 25.907 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, 70.709, 25.907

Background



This preview shows how black text looks on a background with the CIELCh color 39, 70.709, 25.907.



This preview shows how white text looks on a background with the CIELCh color 39, 70.709, 25.907.

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, 70.872, 26.002

Protanopia

40, 15.455, 95.732

Deuteranopia

40, 35.305, 82.350



Tritanopia
39, 77.936, 38.787

Trichromacy



Original Color
39, 70.872, 26.002

Protanomaly
35, 33.790, 25.530

Deuteranomaly
36, 44.935, 41.025

Tritanomaly
39, 75.541, 35.080

Monochromacy



Original Color
39, 70.872, 26.002

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 31.868, 9.330

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 70.709, 25.907 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, 4, 46)` looks like.

```
.text, #text, p{  
    color:rgb(186, 4, 46)  
}
```

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, 4, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 4, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 70.709, 25.907 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, 4, 46) }
```

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

```
.border{ border-color:rgb(186, 4, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 4, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 4, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 4, 46);  
box-shadow:4px 4px 4px 4px rgb(186, 4, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 70.709, 25.907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 4, 46) }
```

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

```
.background{ background-color: rgb(186, 4,  
46) }
```

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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