

Converting Colors

CIELCh(39, 77.040, 18.004)

Have a look what the booklet for
CIELCh(39, 77.040, 18.004) contains.

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Color

CIELCh(41, 71.837, 21.577)

Conversions

Conversions Part 1

Format	Color
Hex	C3003A
RGB	195, 0, 58
RGB Percent	76%, 0%, 23%
CMY	0.2361, 1.0000, 0.7731
CMYK	0.00, 1.00, 0.70, 0.24
HSL	342°, 100%, 38%
HSV	342°, 100%, 76%
XYZ	23.2032, 11.8645, 5.0500
YIQ	64.9170, 97.6020, 59.3780

Conversions

Conversions Part 2

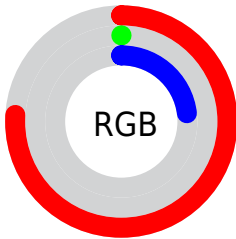
Format	Color
R_{YB}	195, 0, 58
Decimal	12779578
CIE Lab	41.00, 66.80, 26.42
CIE LCh	41, 71.837, 21.577
Yxy	11.8645, 0.5784, 0.2957
Android (android.graphics.Color)	4290969658 (0xFFC3003A)
YUV	64.9170, -3.4101, 114.0828
Hunter-Lab	34.4449, 59.9646, 15.4189

Details

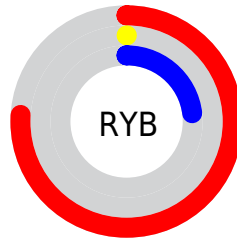
The CIELCh color **41, 71.837, 21.577** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **70, 57.537, 162.009**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **60, 70.490, 21.086**, and **27, 59.199, 32.875** is the 20% darker color. If you saturate the color by 10%, you get **41, 71.791, 21.613**, and if you desaturate by 10%, it is **42, 67.980, 16.339**.

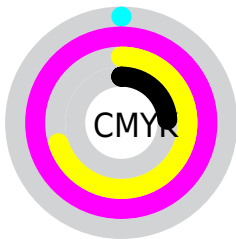
Distribution



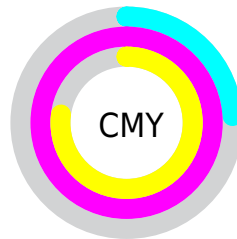
- Red (76%)
- Green (0%)
- Blue (23%)



- Red (76%)
- Yellow (0%)
- Blue (23%)



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (24%)



- Cyan (24%)
- Magenta (100%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 71.837, 21.577 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 41, 71.837, 21.577 by changing the saturation by 10% instead.

41, 71.837, 21.577

41, 71.837, 21.577

100, 71.837,
21.577

31, 71.837, 21.577

61, 71.837, 21.577

21, 71.837, 21.577

71, 71.837, 21.577

11, 71.837, 21.577

81, 71.837, 21.577

1, 71.837, 21.577

91, 71.837, 21.577

0, 71.837, 21.577

41, 71.837, 21.577

41, 71.837, 21.577

41, 71.791, 21.613

42, 67.980, 16.339

44, 63.290, 11.753

■ 46, 57.279, 8.069

■ 50, 50.080, 5.159

■ 54, 42.034, 2.851

■ 58, 33.523, 0.993

■ 63, 24.873,
359.466

■ 68, 16.317,
358.180

■ 73, 8.002, 357.060

Harmonies

Complementary

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



41, 71.837, 21.577



70, 57.537, 162.009

Rectangle

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



41, 71.837, 21.577



41, 71.837, 71.577



41, 71.837, 201.577



41, 71.837, 251.577

Sweetspot

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



41, 71.791, 21.613



80, 30.722, 359.531



36, 97.795, 317.330



40, 21.244, 0.159



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



41, 71.791, 21.613



53, 87.744, 22.592



43, 81.126, 43.413



38, 4.512, 356.992



33, 61.943, 20.716



3, 14.603, 3.630

Inverse Universe

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



41, 71.791, 21.613



53, 87.744, 22.592



60, 35.888, 235.725



38, 4.512, 356.992



33, 61.943, 20.716



3, 14.603, 3.630

Previews

White Background



This preview shows how the CIELCh color 41, 71.837, 21.577 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 41, 71.837, 21.577 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 41, 71.837, 21.577

Background



This preview shows how black text looks on a background with the CIELCh color 41, 71.837, 21.577.



This preview shows how white text looks on a background with the CIELCh color 41, 71.837, 21.577.

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

41, 71.837, 21.577

Protanopia

42, 8.112, 93.326

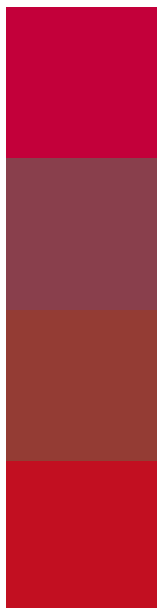
Deuteranopia

42, 30.890, 79.458



Tritanopia
41, 79.008, 37.829

Trichromacy



Original Color
41, 71.837, 21.577

Protanomaly
37, 33.728, 12.582

Deuteranomaly
37, 43.499, 32.911

Tritanomaly
41, 76.238, 32.763

Monochromacy



Original Color
41, 71.837, 21.577

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 33.635, 5.354

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 71.837, 21.577 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(195, 0, 58)` looks like.

```
.text, #text, p{  
    color:rgb(195, 0, 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(195, 0, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 0, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 71.837, 21.577 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(195, 0, 58) }
```

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

```
.border{ border-color:rgb(195, 0, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 0, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 0, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 0, 58);  
box-shadow:4px 4px 4px 4px rgb(195, 0, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 71.837, 21.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 0, 58) }
```

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

```
.background{ background-color: rgb(195, 0,  
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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