

Converting Colors

CIELCh(41, 71.471, 21.485)

Have a look what the booklet for
CIELCh(41, 71.471, 21.485) contains.

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Color

CIELCh(41, 71.343, 21.541)

Conversions

Conversions Part 1

Format	Color
Hex	C2033A
RGB	194, 3, 58
RGB Percent	76%, 1%, 23%
CMY	0.2383, 0.9895, 0.7719
CMYK	0.00, 0.99, 0.70, 0.24
HSL	343°, 97%, 39%
HSV	343°, 99%, 76%
XYZ	23.1047, 11.8645, 5.0972
YIQ	66.3790, 96.1810, 57.5970

Conversions

Conversions Part 2

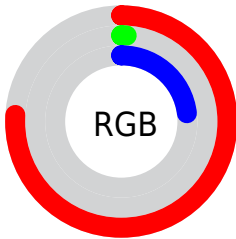
Format	Color
R_{YB}	194, 3, 58
Decimal	12714810
CIE Lab	41.00, 66.36, 26.19
CIE LCh	41, 71.343, 21.541
Yxy	11.8645, 0.5767, 0.2961
Android (android.graphics.Color)	4290904890 (0xFFC2033A)
YUV	66.3790, -4.1308, 111.9236
Hunter-Lab	34.4449, 59.4540, 15.3376

Details

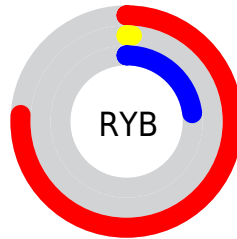
The CIELCh color **41, 71.343, 21.541** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **70, 56.513, 162.882**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **61, 70.203, 21.337**, and **27, 58.816, 32.774** is the 20% darker color. If you saturate the color by 10%, you get **41, 71.899, 22.253**, and if you desaturate by 10%, it is **42, 67.400, 16.282**.

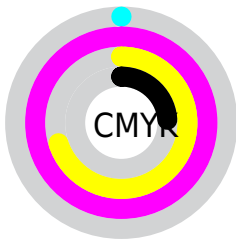
Distribution



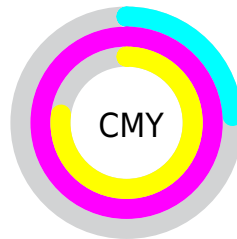
- Red (76%)
- Green (1%)
- Blue (23%)



- Red (76%)
- Yellow (1%)
- Blue (23%)



- Cyan (0%)
- Magenta (99%)
- Yellow (70%)
- Black (24%)



- Cyan (24%)
- Magenta (99%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 71.343, 21.541 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, 71.343, 21.541 by changing the saturation by 10% instead.

 41, 71.343, 21.541

 41, 71.343, 21.541

 100, 71.343,
21.541

 31, 71.343, 21.541

 61, 71.343, 21.541

 21, 71.343, 21.541

 71, 71.343, 21.541

 11, 71.343, 21.541

 81, 71.343, 21.541

 1, 71.343, 21.541

 91, 71.343, 21.541

 0, 71.343, 21.541

 41, 71.343, 21.541

 41, 71.343, 21.541

 41, 71.899, 22.253

 42, 67.400, 16.282

 44, 62.455, 11.797

■ 47, 56.219, 8.202

■ 50, 48.859, 5.361

■ 54, 40.725, 3.107

■ 59, 32.192, 1.290

■ 64, 23.570,
359.793

■ 69, 15.077,
358.530

■ 74, 6.844, 357.422

Harmonies

Complementary

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



41, 71.343, 21.541



70, 56.513, 162.882

Rectangle

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



41, 71.343, 21.541



41, 71.343, 71.541



41, 71.343, 201.541



41, 71.343, 251.541

Sweetspot

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



41, 71.340, 21.543



80, 30.641, 0.049



36, 97.151, 317.409



40, 21.192, 0.680



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, 71.340, 21.543



53, 88.088, 23.245



43, 79.997, 43.300



38, 4.496, 357.501



33, 62.156, 21.368



3, 14.575, 3.997

Inverse Universe

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



41, 71.340, 21.543



53, 88.088, 23.245



60, 35.692, 235.210



38, 4.496, 357.501



33, 62.156, 21.368



3, 14.575, 3.997

Previews

White Background



This preview shows how the CIELCh color 41, 71.343, 21.541 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, 71.343, 21.541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

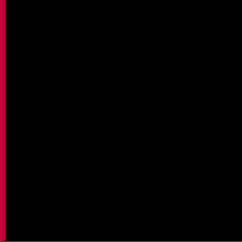
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 71.343, 21.541

Background



This preview shows how black text looks on a background with the CIELCh color 41, 71.343, 21.541.



This preview shows how white text looks on a background with the CIELCh color 41, 71.343, 21.541.

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, 71.264, 21.603

Protanopia

42, 8.112, 93.326

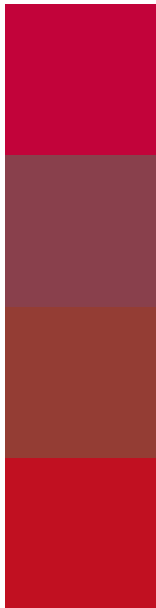
Deuteranopia

42, 30.381, 79.116



Tritanopia
41, 78.643, 37.809

Trichromacy



Original Color
41, 71.264, 21.603

Protanomaly
37, 33.271, 13.277

Deuteranomaly
38, 43.210, 33.539

Tritanomaly
41, 75.783, 32.777

Monochromacy



Original Color
41, 71.264, 21.603

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 33.123, 5.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 71.343, 21.541 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(194, 3, 58)` looks like.

```
.text, #text, p{  
    color:rgb(194, 3, 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(194, 3, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 3, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 71.343, 21.541 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(194, 3, 58) }
```

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

```
.border{ border-color:rgb(194, 3, 58) }
```

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

Here you see how a box with a 4 pixel rgb(194, 3, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 3, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 3, 58);  
box-shadow:4px 4px 4px 4px rgb(194, 3, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 41, 71.343, 21.541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 3, 58) }
```

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

```
.background{ background-color: rgb(194, 3,  
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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