

Converting Colors

CIELCh(41, 71.221, 34.745)

Have a look what the booklet for
CIELCh(41, 71.221, 34.745) contains.

CIELCh(41, 71.221, 34.745)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(41, 71.221, 34.745)

Conversions

Conversions Part 1

Format	Color
Hex	BB2221
RGB	187, 34, 33
RGB Percent	73%, 13%, 13%
CMY	0.2658, 0.8655, 0.8700
CMYK	0.00, 0.82, 0.82, 0.27
HSL	0°, 70%, 43%
HSV	0°, 82%, 73%
XYZ	21.4070, 11.8645, 2.6125
YIQ	79.6330, 91.5090, 32.1250

Conversions

Conversions Part 2

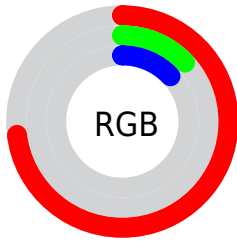
Format	Color
R_{YB}	187, 34, 33
Decimal	12263969
CIE Lab	41.00, 58.52, 40.59
CIE LCh	41, 71.221, 34.745
Yxy	11.8645, 0.5966, 0.3306
Android (android.graphics.Color)	4290454049 (0xFFBB2221)
YUV	79.6330, -22.9901, 94.1609
Hunter-Lab	34.4449, 50.6565, 19.6145

Details

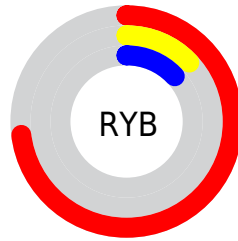
The CIELCh color **41, 71.221, 34.745** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **69, 37.794, 197.471**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 71.284, 34.721**, and **25, 60.096, 38.177** is the 20% darker color. If you saturate the color by 10%, you get **40, 78.522, 37.990**, and if you desaturate by 10%, it is **43, 62.400, 31.336**.

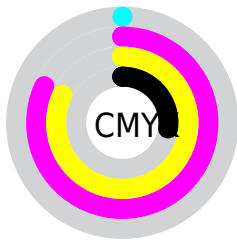
Distribution



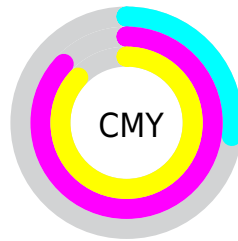
- Red (73%)
- Green (13%)
- Blue (13%)



- Red (73%)
- Yellow (13%)
- Blue (13%)



- Cyan (0%)
- Magenta (82%)
- Yellow (82%)
- Black (27%)



- Cyan (27%)
- Magenta (87%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 71.221, 34.745 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, 71.221, 34.745 by changing the saturation by 10% instead.

 41, 71.221, 34.745

 41, 71.221, 34.745

 100, 71.221,
34.745

 31, 71.221, 34.745

 61, 71.221, 34.745

 21, 71.221, 34.745

 71, 71.221, 34.745

 11, 71.221, 34.745

 81, 71.221, 34.745

 1, 71.221, 34.745

 91, 71.221, 34.745

 0, 71.221, 34.745

 41, 71.221, 34.745

 41, 71.221, 34.745

 40, 78.522, 37.990

 43, 62.400, 31.336

 39, 82.806, 40.075

 46, 52.991, 28.362

■ 50, 43.454, 25.970

■ 55, 34.100, 24.112

■ 59, 25.145, 22.687

■ 64, 16.715, 21.592

■ 69, 8.862, 20.733

■ 75, 1.587, 19.818

■ 80, 5.141, 199.752

Harmonies

Complementary

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



41, 71.221, 34.745



69, 37.794, 197.471

Rectangle

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



41, 71.221, 34.745



41, 71.221, 84.745



41, 71.221, 214.745



41, 71.221, 264.745

Sweetspot

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



41, 71.218, 34.747



79, 23.391, 21.903



46, 86.544, 328.042



40, 16.304, 22.287



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



41, 71.218, 34.747



51, 99.970, 39.835



54, 58.148, 64.589



37, 4.066, 20.508



32, 72.702, 39.767



3, 12.189, 19.828

Inverse Universe

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



69, 37.794, 197.471



87, 47.648, 197.531



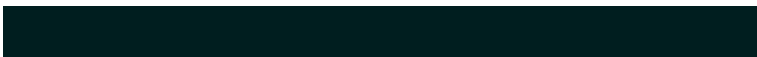
46, 47.275, 276.290



39, 3.834, 199.618



59, 34.699, 197.506



9, 11.548, 197.632

Previews

White Background



This preview shows how the CIELCh color 41, 71.221, 34.745 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, 71.221, 34.745 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, 71.221, 34.745

Background



This preview shows how black text looks on a background with the CIELCh color 41, 71.221, 34.745.



This preview shows how white text looks on a background with the CIELCh color 41, 71.221, 34.745.

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, 71.221, 34.745

Protanopia

41, 28.694, 96.139

Deuteranopia

41, 44.708, 83.034



Tritanopia
41, 71.221, 34.745

Trichromacy



Original Color
41, 71.221, 34.745

Protanomaly
39, 37.699, 51.687

Deuteranomaly
39, 50.244, 55.645

Tritanomaly
41, 71.221, 34.745

Monochromacy



Original Color
41, 71.221, 34.745

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 26.612, 24.141

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 71.221, 34.745 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(187, 34, 33)` looks like.

```
.text, #text, p{  
    color:rgb(187, 34, 33)  
}
```

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(187, 34, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 34, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 71.221, 34.745 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(187, 34, 33) }
```

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

```
.border{ border-color:rgb(187, 34, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 34, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 34, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 34, 33);  
box-shadow:4px 4px 4px 4px rgb(187, 34,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 71.221, 34.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 34, 33) }
```

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

```
.background{ background-color: rgb(187, 34,  
33) }
```

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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