

Converting Colors

CIELCh(42, 71.643, 37.338)

Have a look what the booklet for
CIELCh(42, 71.643, 37.338) contains.

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Color

CIELCh(42, 71.636, 37.189)

Conversions

Conversions Part 1

Format	Color
Hex	BD291E
RGB	189, 41, 30
RGB Percent	74%, 16%, 12%
CMY	0.2588, 0.8391, 0.8823
CMYK	0.00, 0.78, 0.84, 0.26
HSL	4°, 73%, 43%
HSV	4°, 84%, 74%
XYZ	22.0158, 12.5000, 2.4809
YIQ	83.9980, 91.7390, 27.9550

Conversions

Conversions Part 2

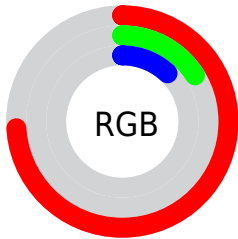
Format	Color
R _Y B	189, 42, 30
Decimal	12396830
CIE Lab	42.00, 57.07, 43.30
CIE LCh	42, 71.636, 37.189
Yxy	12.5000, 0.5951, 0.3379
Android (android.graphics.Color)	4290586910 (0xFFBD291E)
YUV	83.9980, -26.6210, 92.0868
Hunter-Lab	35.3553, 49.2802, 20.5883

Details

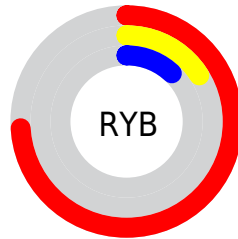
The CIELCh color **42, 71.636, 37.189** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **66, 35.715, 206.659**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 71.728, 37.406**, and **25, 60.901, 38.314** is the 20% darker color. If you saturate the color by 10%, you get **40, 79.057, 39.453**, and if you desaturate by 10%, it is **44, 62.586, 34.563**.

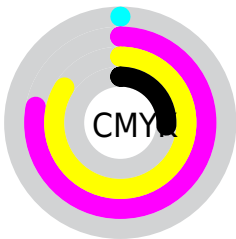
Distribution



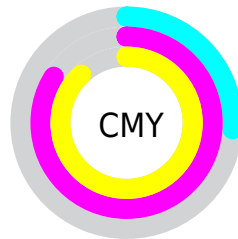
- Red (74%)
- Green (16%)
- Blue (12%)



- Red (74%)
- Yellow (16%)
- Blue (12%)



- Cyan (0%)
- Magenta (78%)
- Yellow (84%)
- Black (26%)



- Cyan (26%)
- Magenta (84%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 71.636, 37.189 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 42, 71.636, 37.189 by changing the saturation by 10% instead.

■ 42, 71.636, 37.189

■ 42, 71.636, 37.189

■ 100, 71.636,
37.189

■ 32, 71.636, 37.189

■ 62, 71.636, 37.189

■ 22, 71.636, 37.189

■ 72, 71.636, 37.189

■ 12, 71.636, 37.189

■ 82, 71.636, 37.189

■ 2, 71.636, 37.189

■ 92, 71.636, 37.189

■ 0, 71.636, 37.189

■ 42, 71.636, 37.189

■ 42, 71.636, 37.189

■ 40, 79.057, 39.453

■ 44, 62.586, 34.563

■ 40, 82.524, 40.724

■ 48, 53.035, 32.188

- 51, 43.503, 30.252
- 55, 34.277, 28.750
- 60, 25.528, 27.613
- 65, 17.344, 26.765
- 70, 9.751, 26.129
- 75, 2.735, 25.546
- 80, 3.742, 205.571

Harmonies

Complementary

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



42, 71.636, 37.189



66, 35.715, 206.659

Rectangle

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



42, 71.636, 37.189



42, 71.636, 87.189



42, 71.636, 217.189



42, 71.636, 267.189

Sweetspot

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



42, 71.633, 37.191



81, 22.289, 26.860



46, 83.948, 330.549



41, 15.416, 27.140



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



42, 71.633, 37.191



52, 100.483, 40.556



56, 59.513, 70.178



37, 3.832, 25.870



33, 71.863, 40.638



3, 11.683, 23.600

Inverse Universe

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



66, 35.715, 206.659



83, 44.438, 208.444



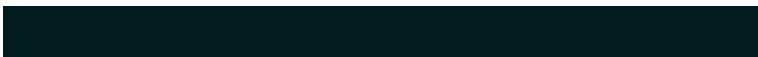
43, 54.755, 283.517



39, 3.609, 205.406



55, 32.133, 208.061



9, 10.630, 206.128

Previews

White Background



This preview shows how the CIELCh color 42, 71.636, 37.189 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 42, 71.636, 37.189 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 42, 71.636, 37.189

Background



This preview shows how black text looks on a background with the CIELCh color 42, 71.636, 37.189.



This preview shows how white text looks on a background with the CIELCh color 42, 71.636, 37.189.

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

42, 71.636, 37.189

Protanopia

42, 32.441, 95.837

Deuteranopia

42, 48.069, 83.481



Tritanopia
42, 69.011, 33.331

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 71.636, 37.189 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(189, 41, 30)` looks like.

```
.text, #text, p{  
    color:rgb(189, 41, 30)  
}
```

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(189, 41, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 41, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 71.636, 37.189 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(189, 41, 30) }
```

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

```
.border{ border-color:rgb(189, 41, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 41, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 41, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 41, 30);  
box-shadow:4px 4px 4px 4px rgb(189, 41,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 71.636, 37.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 41, 30) }
```

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

```
.background{ background-color: rgb(189, 41,  
30) }
```

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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