

Converting Colors

CIELCh(42, 71.230, 33.919)

Have a look what the booklet for
CIELCh(42, 71.230, 33.919) contains.

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Color

CIELCh(42, 71.159, 33.994)

Conversions

Conversions Part 1

Format	Color
Hex	BF2525
RGB	191, 37, 37
RGB Percent	75%, 15%, 15%
CMY	0.2516, 0.8556, 0.8553
CMYK	0.00, 0.81, 0.81, 0.25
HSL	360°, 68%, 45%
HSV	360°, 81%, 75%
XYZ	22.4333, 12.5000, 2.9715
YIQ	83.0460, 91.7840, 32.6480

Conversions

Conversions Part 2

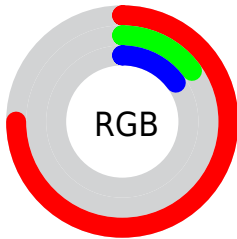
Format	Color
RYB	191, 37, 37
Decimal	12526885
CIELab	42.00, 59.00, 39.79
CIELCh	42, 71.159, 33.994
Yxy	12.5000, 0.5918, 0.3298
Android (android.graphics.Color)	4290716965 (0xFFBF2525)
YUV	83.0460, -22.7007, 94.6757
Hunter-Lab	35.3553, 51.3883, 19.7656

Details

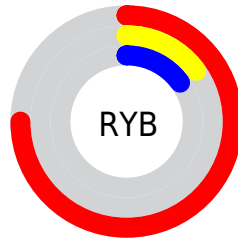
The CIELCh color **42, 71.159, 33.994** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **70, 38.462, 196.467**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 71.389, 33.865**, and **26, 61.701, 38.443** is the 20% darker color. If you saturate the color by 10%, you get **40, 78.827, 37.437**, and if you desaturate by 10%, it is **44, 62.119, 30.526**.

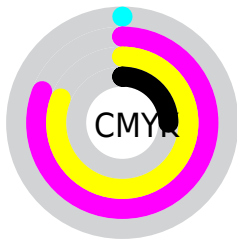
Distribution



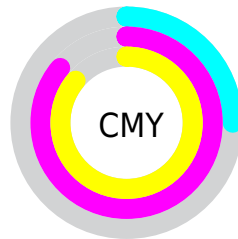
- Red (75%)
- Green (15%)
- Blue (15%)



- Red (75%)
- Yellow (15%)
- Blue (15%)



- Cyan (0%)
- Magenta (81%)
- Yellow (81%)
- Black (25%)



- Cyan (25%)
- Magenta (86%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 71.159, 33.994 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, 71.159, 33.994 by changing the saturation by 10% instead.

■ 42, 71.159, 33.994

■ 42, 71.159, 33.994

■ 100, 71.159,
33.994

■ 32, 71.159, 33.994

■ 62, 71.159, 33.994

■ 22, 71.159, 33.994

■ 72, 71.159, 33.994

■ 12, 71.159, 33.994

■ 82, 71.159, 33.994

■ 2, 71.159, 33.994

■ 92, 71.159, 33.994

■ 0, 71.159, 33.994

■ 42, 71.159, 33.994

■ 42, 71.159, 33.994

■ 40, 78.827, 37.437

■ 44, 62.119, 30.526

■ 40, 84.076, 39.984

■ 48, 52.540, 27.555

■ 52, 42.855, 25.184

■ 56, 33.373, 23.348

■ 61, 24.308, 21.940

■ 66, 15.783, 20.854

■ 71, 7.847, 19.993

■ 77, 0.496, 18.343

■ 82, 6.304, 198.998

Harmonies

Complementary

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



42, 71.159, 33.994



70, 38.462, 196.467

Rectangle

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



42, 71.159, 33.994



42, 71.159, 83.994



42, 71.159, 213.994



42, 71.159, 263.994

Sweetspot

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



42, 71.156, 33.996



82, 22.910, 21.222



47, 87.021, 327.443



41, 16.084, 21.618



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



42, 71.156, 33.996



52, 100.638, 39.366



55, 58.090, 63.375



37, 4.096, 19.886



32, 72.787, 39.649



3, 12.252, 19.382

Inverse Universe

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



42, 71.156, 33.996



52, 100.638, 39.366



48, 45.791, 273.829



37, 4.096, 19.886



32, 72.787, 39.649



3, 12.252, 19.382

Previews

White Background



This preview shows how the CIELCh color 42, 71.159, 33.994 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, 71.159, 33.994 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, 71.159, 33.994

Background



This preview shows how black text looks on a background with the CIELCh color 42, 71.159, 33.994.



This preview shows how white text looks on a background with the CIELCh color 42, 71.159, 33.994.

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, 71.159, 33.994

Protanopia

42, 27.527, 96.054

Deuteranopia

42, 43.370, 82.820



Tritanopia
42, 71.159, 33.994

Trichromacy



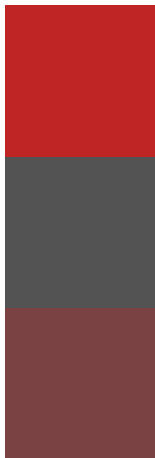
Original Color
42, 71.159, 33.994

Protanomaly
40, 36.721, 50.471

Deuteranomaly
40, 49.440, 54.503

Tritanomaly
42, 71.159, 33.994

Monochromacy



Original Color
42, 71.159, 33.994

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 26.412, 23.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 71.159, 33.994 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(191, 37, 37)` looks like.

```
.text, #text, p{  
    color:rgb(191, 37, 37)  
}
```

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(191, 37, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 37, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 71.159, 33.994 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(191, 37, 37) }
```

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

```
.border{ border-color:rgb(191, 37, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 37, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 37, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 37, 37);  
box-shadow:4px 4px 4px 4px rgb(191, 37,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 71.159, 33.994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 37, 37) }
```

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

```
.background{ background-color: rgb(191, 37,  
37) }
```

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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