

Converting Colors

CIELCh(42, 69.961, 33.739)

Have a look what the booklet for
CIELCh(42, 69.961, 33.739) contains.

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Color

CIELCh(42, 70.140, 33.955)

Conversions

Conversions Part 1

Format	Color
Hex	BE2726
RGB	190, 39, 38
RGB Percent	75%, 15%, 15%
CMY	0.2556, 0.8478, 0.8515
CMYK	0.00, 0.80, 0.80, 0.26
HSL	0°, 67%, 45%
HSV	0°, 80%, 74%
XYZ	22.2556, 12.5000, 3.0626
YIQ	84.0350, 90.3170, 31.7010

Conversions

Conversions Part 2

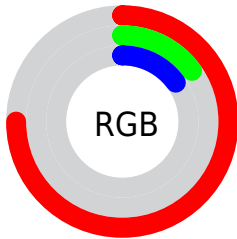
Format	Color
R _Y B	190, 39, 38
Decimal	12461862
CIE Lab	42.00, 58.18, 39.18
CIE LCh	42, 70.140, 33.955
Yxy	12.5000, 0.5885, 0.3305
Android (android.graphics.Color)	4290651942 (0xFFBE2726)
YUV	84.0350, -22.6953, 92.9313
Hunter-Lab	35.3553, 50.4910, 19.6128

Details

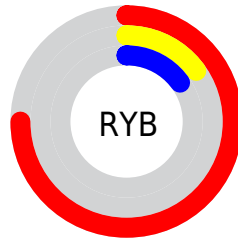
The CIELCh color **42, 70.140, 33.955** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **70, 37.896, 197.327**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 70.236, 34.121**, and **26, 61.301, 38.379** is the 20% darker color. If you saturate the color by 10%, you get **40, 77.967, 37.342**, and if you desaturate by 10%, it is **45, 61.043, 30.593**.

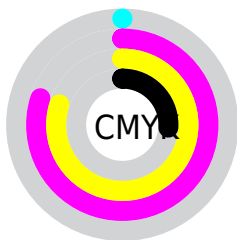
Distribution



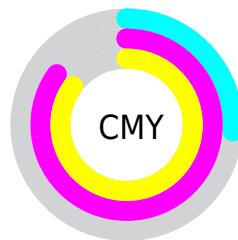
- Red (75%)
- Green (15%)
- Blue (15%)



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



- Cyan (0%)
- Magenta (80%)
- Yellow (80%)
- Black (26%)




- Cyan (26%)
- Magenta (85%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 70.140, 33.955 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, 70.140, 33.955 by changing the saturation by 10% instead.


 42, 70.140, 33.955

 42, 70.140, 33.955


 100, 70.140,
33.955

 32, 70.140, 33.955

 62, 70.140, 33.955

 22, 70.140, 33.955

 72, 70.140, 33.955

 12, 70.140, 33.955

 82, 70.140, 33.955

 2, 70.140, 33.955

 92, 70.140, 33.955

 0, 70.140, 33.955

 42, 70.140, 33.955

 42, 70.140, 33.955

 40, 77.967, 37.342

 45, 61.043, 30.593

 39, 83.672, 40.063

 48, 51.470, 27.729

■ 52, 41.840, 25.449

■ 56, 32.449, 23.687

■ 61, 23.495, 22.335

■ 66, 15.089, 21.295

■ 72, 7.272, 20.468

■ 77, 0.036, 4.837

■ 82, 6.659, 199.532

Harmonies

Complementary

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



42, 70.140, 33.955



70, 37.896, 197.327

Rectangle

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



42, 70.140, 33.955



42, 70.140, 83.955



42, 70.140, 213.955



42, 70.140, 263.955

Sweetspot

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



42, 70.137, 33.957



82, 22.777, 21.715



47, 86.352, 328.001



42, 15.993, 22.100



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, 70.137, 33.957



52, 100.095, 39.227



55, 57.261, 64.971



37, 4.071, 20.414



32, 72.718, 39.751



3, 12.198, 19.761

Inverse Universe

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



70, 37.896, 197.327



88, 48.343, 197.333



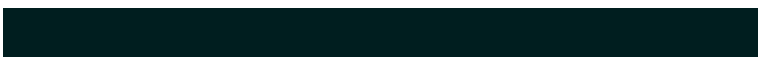
47, 46.554, 275.372



39, 3.839, 199.517



59, 34.755, 197.328



9, 11.566, 197.489

Previews

White Background



This preview shows how the CIELCh color 42, 70.140, 33.955 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, 70.140, 33.955 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, 70.140, 33.955

Background



This preview shows how black text looks on a background with the CIELCh color 42, 70.140, 33.955.



This preview shows how white text looks on a background with the CIELCh color 42, 70.140, 33.955.

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, 70.140, 33.955

Protanopia

42, 26.977, 95.952

Deuteranopia

42, 42.607, 82.577



Tritanopia
42, 69.863, 33.570

Trichromacy



Original Color
42, 70.140, 33.955

Protanomaly
40, 36.188, 50.804

Deuteranomaly
40, 48.164, 54.729

Tritanomaly
42, 69.863, 33.570

Monochromacy



Original Color
42, 70.140, 33.955

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 25.480, 25.033

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 70.140, 33.955 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(190, 39, 38)` looks like.

```
.text, #text, p{  
    color:rgb(190, 39, 38)  
}
```

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(190, 39, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 39, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 70.140, 33.955 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(190, 39, 38) }
```

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

```
.border{ border-color:rgb(190, 39, 38) }
```

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

Here you see how a box with a 4 pixel rgb(190, 39, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 39, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 39, 38);  
box-shadow:4px 4px 4px 4px rgb(190, 39,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 70.140, 33.955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 39, 38) }
```

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

```
.background{ background-color: rgb(190, 39,  
38) }
```

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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