

Converting Colors

CIELCh(42, 68.049, 28.918)

Have a look what the booklet for
CIELCh(42, 68.049, 28.918) contains.

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Color

CIELCh(42, 68.170, 28.888)

Conversions

Conversions Part 1

Format	Color
Hex	BF2431
RGB	191, 36, 49
RGB Percent	75%, 14%, 19%
CMY	0.2521, 0.8601, 0.8086
CMYK	0.00, 0.81, 0.74, 0.25
HSL	355°, 68%, 44%
HSV	355°, 81%, 75%
XYZ	22.5839, 12.5000, 4.1058
YIQ	83.8270, 88.2070, 36.9030

Conversions

Conversions Part 2

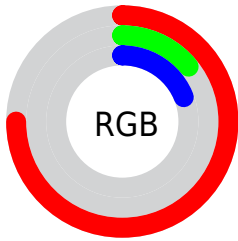
Format	Color
R_{YB}	191, 36, 49
Decimal	12526641
CIE Lab	42.00, 59.69, 32.93
CIE LCh	42, 68.170, 28.888
Yxy	12.5000, 0.5763, 0.3190
Android (android.graphics.Color)	4290716721 (0xFFBF2431)
YUV	83.8270, -17.1697, 93.9907
Hunter-Lab	35.3553, 52.1484, 17.8634

Details

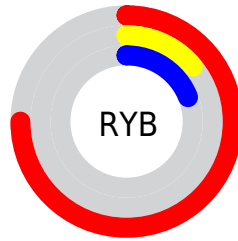
The CIELCh color **42, 68.170, 28.888** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **70, 40.969, 186.070**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 68.183, 29.031**, and **26, 60.772, 37.215** is the 20% darker color. If you saturate the color by 10%, you get **40, 75.334, 33.260**, and if you desaturate by 10%, it is **44, 60.071, 24.967**.

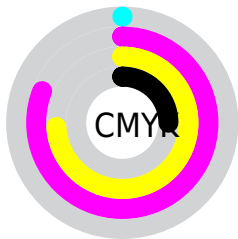
Distribution



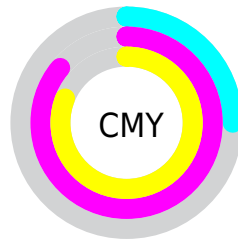
- Red (75%)
- Green (14%)
- Blue (19%)



- Red (75%)
- Yellow (14%)
- Blue (19%)



- Cyan (0%)
- Magenta (81%)
- Yellow (74%)
- Black (25%)



- Cyan (25%)
- Magenta (86%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 68.170, 28.888 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, 68.170, 28.888 by changing the saturation by 10% instead.

 42, 68.170, 28.888

 42, 68.170, 28.888

 100, 68.170,
28.888

 32, 68.170, 28.888

 62, 68.170, 28.888

 22, 68.170, 28.888

 72, 68.170, 28.888

 12, 68.170, 28.888

 82, 68.170, 28.888

 2, 68.170, 28.888

 92, 68.170, 28.888

 0, 68.170, 28.888

 42, 68.170, 28.888

 42, 68.170, 28.888

 40, 75.334, 33.260

 44, 60.071, 24.967

 40, 80.510, 36.688

 48, 51.372, 21.734

■ 52, 42.373, 19.167

■ 56, 33.369, 17.155

■ 61, 24.602, 15.570

■ 66, 16.227, 14.305

■ 71, 8.327, 13.264

■ 77, 0.926, 11.937

■ 82, 5.988, 191.897

Harmonies

Complementary

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



42, 68.170, 28.888



70, 40.969, 186.070

Rectangle

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



42, 68.170, 28.888



42, 68.170, 78.888



42, 68.170, 208.888



42, 68.170, 258.888

Sweetspot

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



42, 68.167, 28.890



82, 22.812, 14.667



44, 87.275, 324.619



42, 15.979, 15.121



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, 68.167, 28.890



52, 97.428, 36.662



52, 59.715, 56.199



37, 4.114, 13.076



33, 69.564, 36.075



3, 12.310, 14.536

Inverse Universe

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



42, 68.167, 28.890



52, 97.428, 36.662



52, 40.129, 263.518



37, 4.114, 13.076



33, 69.564, 36.075



3, 12.310, 14.536

Previews

White Background



This preview shows how the CIELCh color 42, 68.170, 28.888 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, 68.170, 28.888 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, 68.170, 28.888

Background



This preview shows how black text looks on a background with the CIELCh color 42, 68.170, 28.888.



This preview shows how white text looks on a background with the CIELCh color 42, 68.170, 28.888.

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, 68.170, 28.888

Protanopia

42, 18.865, 96.075

Deuteranopia

42, 36.260, 80.808



Tritanopia
42, 70.318, 33.758

Trichromacy



Original Color
42, 68.170, 28.888

Protanomaly
40, 31.366, 39.822

Deuteranomaly
40, 43.672, 47.440

Tritanomaly
42, 69.404, 31.982

Monochromacy



Original Color
42, 68.170, 28.888

Achromatopsia
36, 0.005, 296.813

Achromatomaly
35, 26.373, 17.548

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 68.170, 28.888 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, 36, 49)` looks like.

```
.text, #text, p{  
    color:rgb(191, 36, 49)  
}
```

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, 36, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 36, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 68.170, 28.888 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, 36, 49) }
```

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

```
.border{ border-color:rgb(191, 36, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 36, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 36, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 36, 49);  
box-shadow:4px 4px 4px 4px rgb(191, 36,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 68.170, 28.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 36, 49) }
```

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

```
.background{ background-color: rgb(191, 36,  
49) }
```

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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