

Converting Colors

CIELCh(42, 63.247, 30.954)

Have a look what the booklet for
CIELCh(42, 63.247, 30.954) contains.

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Color

CIELCh(42, 63.173, 30.821)

Conversions

Conversions Part 1

Format	Color
Hex	B82F31
RGB	184, 47, 49
RGB Percent	72%, 18%, 19%
CMY	0.2774, 0.8146, 0.8071
CMYK	0.00, 0.74, 0.73, 0.28
HSL	359°, 59%, 45%
HSV	359°, 74%, 72%
XYZ	21.4154, 12.5000, 4.2106
YIQ	88.1910, 81.0100, 29.6660

Conversions

Conversions Part 2

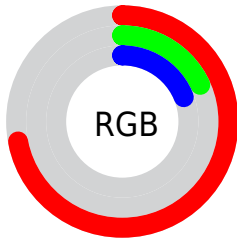
Format	Color
R_{YB}	184, 47, 49
Decimal	12070705
CIE _{Lab}	42.00, 54.25, 32.37
CIE _{LCh}	42, 63.173, 30.821
Yxy	12.5000, 0.5617, 0.3279
Android (android.graphics.Color)	4290260785 (0xFFB82F31)
YUV	88.1910, -19.3212, 84.0245
Hunter-Lab	35.3553, 46.2488, 17.6877

Details

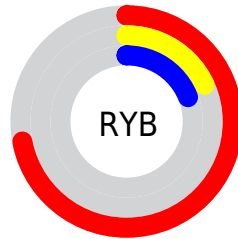
The CIELCh color **42, 63.173, 30.821** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **68, 36.517, 194.898**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 62.778, 30.800**, and **24, 58.374, 36.748** is the 20% darker color. If you saturate the color by 10%, you get **40, 71.518, 34.481**, and if you desaturate by 10%, it is **45, 54.122, 27.602**.

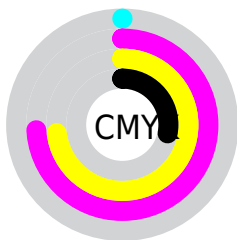
Distribution



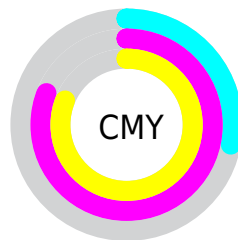
- Red (72%)
- Green (18%)
- Blue (19%)



- Red (72%)
- Yellow (18%)
- Blue (19%)



- Cyan (0%)
- Magenta (74%)
- Yellow (73%)
- Black (28%)



- Cyan (28%)
- Magenta (81%)
- Yellow (81%)
- Black (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 63.173, 30.821 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, 63.173, 30.821 by changing the saturation by 10% instead.

 42, 63.173, 30.821

 42, 63.173, 30.821

 100, 63.173,
30.821

 32, 63.173, 30.821

 62, 63.173, 30.821

 22, 63.173, 30.821

 72, 63.173, 30.821

 12, 63.173, 30.821

 82, 63.173, 30.821

 2, 63.173, 30.821

 92, 63.173, 30.821

 0, 63.173, 30.821

 42, 63.173, 30.821

 42, 63.173, 30.821

 40, 71.518, 34.481

 45, 54.122, 27.602

 39, 78.258, 37.901

 49, 44.826, 24.992

■ 38, 81.280, 39.422

■ 53, 35.606, 22.952

■ 57, 26.699, 21.378

■ 62, 18.260, 20.159

■ 67, 10.362, 19.199

■ 73, 3.022, 18.343

■ 78, 3.781, 198.069

■ 83, 10.087,
197.516

Harmonies

Complementary

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



42, 63.173, 30.821



68, 36.517, 194.898

Rectangle

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



42, 63.173, 30.821



42, 63.173, 80.821



42, 63.173, 210.821



42, 63.173, 260.821

Sweetspot

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



42, 63.170, 30.823



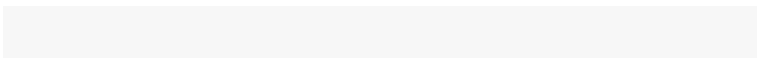
81, 20.282, 19.951



46, 80.997, 327.320



41, 13.756, 20.235



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



42, 63.170, 30.823



51, 92.495, 36.680



54, 51.890, 64.395



36, 4.003, 18.781



32, 71.336, 39.039



2, 10.641, 18.552

Inverse Universe

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



42, 63.170, 30.823



51, 92.495, 36.680



48, 41.235, 271.121



36, 4.003, 18.781



32, 71.336, 39.039



2, 10.641, 18.552

Previews

White Background



This preview shows how the CIELCh color 42, 63.173, 30.821 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, 63.173, 30.821 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, 63.173, 30.821

Background



This preview shows how black text looks on a background with the CIELCh color 42, 63.173, 30.821.



This preview shows how white text looks on a background with the CIELCh color 42, 63.173, 30.821.

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, 63.173, 30.821

Protanopia

42, 20.114, 95.191

Deuteranopia

42, 35.067, 81.047



Tritanopia
42, 63.173, 30.821

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 63.173, 30.821 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(184, 47, 49)` looks like.

```
.text, #text, p{  
    color:rgb(184, 47, 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(184, 47, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 47, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 63.173, 30.821 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(184, 47, 49) }
```

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

```
.border{ border-color:rgb(184, 47, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 47, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 47, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 47, 49);  
box-shadow:4px 4px 4px 4px rgb(184, 47,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 63.173, 30.821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 47, 49) }
```

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

```
.background{ background-color: rgb(184, 47,  
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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