

Converting Colors

CIELCh(42, 73.061, 28.089)

Have a look what the booklet for
CIELCh(42, 73.061, 28.089) contains.

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Color

CIELCh(42, 72.860, 27.991)

Conversions

Conversions Part 1

Format	Color
Hex	C4152F
RGB	196, 21, 47
RGB Percent	77%, 8%, 18%
CMY	0.2302, 0.9195, 0.8149
CMYK	0.00, 0.90, 0.76, 0.23
HSL	351°, 81%, 43%
HSV	351°, 90%, 77%
XYZ	23.6165, 12.5000, 3.8782
YIQ	76.2890, 95.9540, 45.1860

Conversions

Conversions Part 2

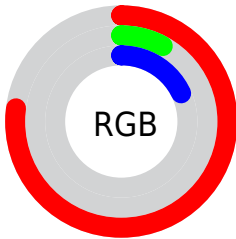
Format	Color
RYB	196, 21, 47
Decimal	12850479
CIELab	42.00, 64.34, 34.20
CIElCh	42, 72.860, 27.991
Yxy	12.5000, 0.5905, 0.3125
Android (android.graphics.Color)	4291040559 (0xFFC4152F)
YUV	76.2890, -14.4395, 104.9865
Hunter-Lab	35.3553, 57.3615, 18.2450

Details

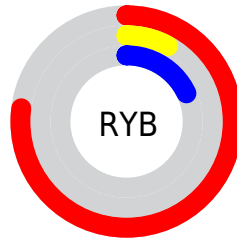
The CIELCh color **42, 72.860, 27.991** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **71, 46.416, 177.564**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 70.887, 27.811**, and **27, 62.815, 38.089** is the 20% darker color. If you saturate the color by 10%, you get **41, 78.717, 32.865**, and if you desaturate by 10%, it is **44, 66.147, 23.329**.

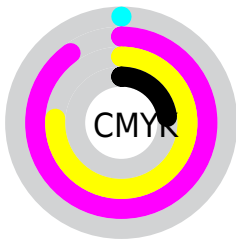
Distribution



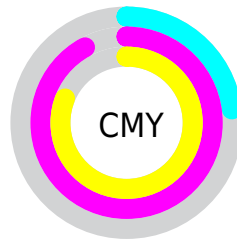
- Red (77%)
- Green (8%)
- Blue (18%)



- Red (77%)
- Yellow (8%)
- Blue (18%)



- Cyan (0%)
- Magenta (90%)
- Yellow (76%)
- Black (23%)





- Cyan (23%)
- Magenta (92%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 72.860, 27.991 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, 72.860, 27.991 by changing the saturation by 10% instead.

 42, 72.860, 27.991	 42, 72.860, 27.991
 100, 72.860, 27.991	 32, 72.860, 27.991
 62, 72.860, 27.991	 22, 72.860, 27.991
 72, 72.860, 27.991	 12, 72.860, 27.991
 82, 72.860, 27.991	 2, 72.860, 27.991
 92, 72.860, 27.991	 0, 72.860, 27.991

 42, 72.860, 27.991	 42, 72.860, 27.991
 41, 78.717, 32.865	 44, 66.147, 23.329
 41, 78.985, 33.066	 46, 58.531, 19.394

■ 50, 50.185, 16.231

■ 54, 41.402, 13.733

■ 59, 32.499, 11.757

■ 63, 23.738, 10.175

■ 69, 15.290, 8.883

■ 74, 7.252, 7.788

■ 80, 0.339, 188.491

Harmonies

Complementary

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



42, 72.860, 27.991



71, 46.416, 177.564

Rectangle

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



42, 72.860, 27.991



42, 72.860, 77.991



42, 72.860, 207.991



42, 72.860, 257.991

Sweetspot

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



42, 72.857, 27.993



82, 26.693, 9.881



42, 93.377, 322.244



41, 18.143, 10.370



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



42, 72.857, 27.993



53, 97.022, 33.893



49, 69.427, 50.345



38, 4.264, 7.769



33, 67.525, 32.254



3, 14.172, 11.180

Inverse Universe

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



42, 72.857, 27.993



53, 97.022, 33.893



54, 39.742, 257.119



38, 4.264, 7.769



33, 67.525, 32.254



3, 14.172, 11.180

Previews

White Background



This preview shows how the CIELCh color 42, 72.860, 27.991 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, 72.860, 27.991 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, 72.860, 27.991

Background



This preview shows how black text looks on a background with the CIELCh color 42, 72.860, 27.991.



This preview shows how white text looks on a background with the CIELCh color 42, 72.860, 27.991.

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, 72.747, 28.093

Protanopia

43, 18.834, 96.108

Deuteranopia

43, 38.095, 81.723



Tritanopia
42, 78.489, 37.060

Trichromacy



Original Color
42, 72.747, 28.093

Protanomaly
39, 34.116, 34.357

Deuteranomaly
40, 46.860, 45.661

Tritanomaly
42, 76.323, 34.093

Monochromacy



Original Color
42, 72.747, 28.093

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 29.870, 13.752

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 72.860, 27.991 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(196, 21, 47)` looks like.

```
.text, #text, p{  
    color:rgb(196, 21, 47)  
}
```

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(196, 21, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 21, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 72.860, 27.991 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(196, 21, 47) }
```

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

```
.border{ border-color:rgb(196, 21, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 21, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 21, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 21, 47);  
box-shadow:4px 4px 4px 4px rgb(196, 21,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 72.860, 27.991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 21, 47) }
```

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

```
.background{ background-color: rgb(196, 21,  
47) }
```

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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