

Converting Colors

CIELCh(46, 72.027, 32.053)

Have a look what the booklet for
CIELCh(46, 72.027, 32.053) contains.

CIELCh(46, 72.125, 31.929)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 72.125, 31.929)

Conversions

Conversions Part 1

Format	Color
Hex	CE2E31
RGB	206, 46, 49
RGB Percent	81%, 18%, 19%
CMY	0.1926, 0.8201, 0.8082
CMYK	0.00, 0.78, 0.76, 0.19
HSL	359°, 64%, 49%
HSV	359°, 78%, 81%
XYZ	26.9434, 15.2687, 4.4231
YIQ	94.1820, 94.3970, 34.8530

Conversions

Conversions Part 2

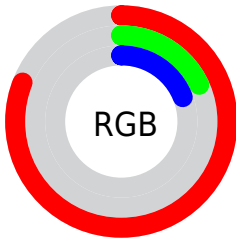
Format	Color
RYB	206, 46, 49
Decimal	13512241
CIELab	46.00, 61.21, 38.14
CIElCh	46, 72.125, 31.929
Yxy	15.2687, 0.5777, 0.3274
Android (android.graphics.Color)	4291702321 (0xFFCE2E31)
YUV	94.1820, -22.2747, 98.0644
Hunter-Lab	39.0751, 54.6993, 20.6413

Details

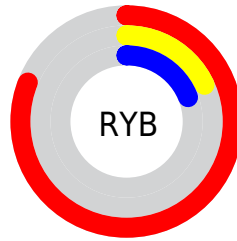
The CIELCh color **46, 72.125, 31.929** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **75, 40.661, 194.170**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 65.932, 31.684**, and **29, 66.211, 38.054** is the 20% darker color. If you saturate the color by 10%, you get **44, 80.698, 35.694**, and if you desaturate by 10%, it is **49, 62.500, 28.448**.

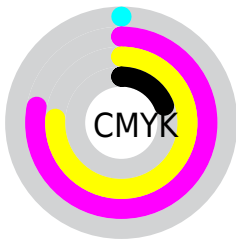
Distribution



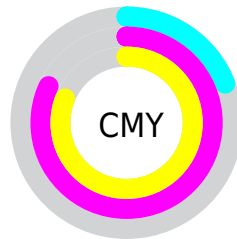
- Red (81%)
- Green (18%)
- Blue (19%)



- Red (81%)
- Yellow (18%)
- Blue (19%)



- Cyan (0%)
- Magenta (78%)
- Yellow (76%)
- Black (19%)



- Cyan (19%)
- Magenta (82%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 72.125, 31.929 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 46, 72.125, 31.929 by changing the saturation by 10% instead.

 46, 72.125, 31.929

 46, 72.125, 31.929

 100, 72.125,
31.929

 36, 72.125, 31.929

 66, 72.125, 31.929

 26, 72.125, 31.929

 76, 72.125, 31.929

 16, 72.125, 31.929

 86, 72.125, 31.929

 6, 72.125, 31.929

 96, 72.125, 31.929

 0, 72.125, 31.929

 46, 72.125, 31.929

 46, 72.125, 31.929

 44, 80.698, 35.694

 49, 62.500, 28.448

 43, 86.975, 38.771

 53, 52.436, 25.565

43, 88.172, 39.321

57, 42.319, 23.294

62, 32.449, 21.537

67, 23.034, 20.180

73, 14.187, 19.120

78, 5.947, 18.249

84, 1.694, 198.030

90, 8.774, 197.245

Harmonies

Complementary

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



46, 72.125, 31.929



75, 40.661, 194.170

Rectangle

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



46, 72.125, 31.929



46, 72.125, 81.929



46, 72.125, 211.929



46, 72.125, 261.929

Sweetspot

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



46, 72.122, 31.931



84, 22.375, 19.680



50, 90.545, 326.839



43, 15.696, 20.089



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



46, 72.122, 31.931



54, 99.998, 37.858



59, 59.621, 62.315



40, 4.368, 18.390



34, 74.776, 39.055



4, 17.917, 18.470

Inverse Universe

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



46, 72.122, 31.931



54, 99.998, 37.858



53, 45.722, 270.797



40, 4.368, 18.390



34, 74.776, 39.055



4, 17.917, 18.470

Previews

White Background



This preview shows how the CIELCh color 46, 72.125, 31.929 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 46, 72.125, 31.929 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 46, 72.125, 31.929

Background



This preview shows how black text looks on a background with the CIELCh color 46, 72.125, 31.929.

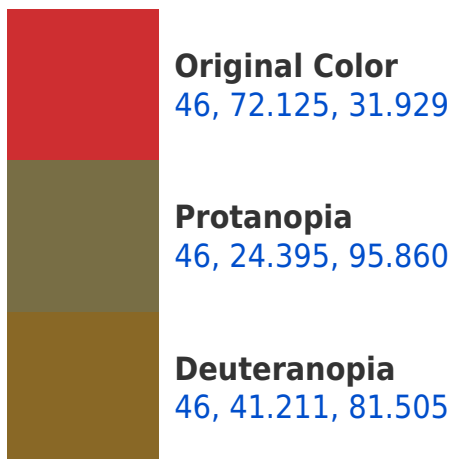


This preview shows how white text looks on a background with the CIELCh color 46, 72.125, 31.929.

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





Tritanopia
46, 72.655, 32.698

Trichromacy



Original Color
46, 72.125, 31.929

Protanomaly
44, 35.178, 47.191

Deuteranomaly
44, 47.961, 52.100

Tritanomaly
46, 72.389, 32.316

Monochromacy



Original Color
46, 72.125, 31.929

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 26.537, 22.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 72.125, 31.929 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(206, 46, 49)` looks like.

```
.text, #text, p{  
    color:rgb(206, 46, 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(206, 46, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 46, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 72.125, 31.929 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(206, 46, 49) }
```

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

```
.border{ border-color:rgb(206, 46, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 46, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 46, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 46, 49);  
box-shadow:4px 4px 4px 4px rgb(206, 46,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 72.125, 31.929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 46, 49) }
```

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

```
.background{ background-color: rgb(206, 46,  
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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