

Converting Colors

CIELCh(46, 72.871, 32.900)

Have a look what the booklet for
CIELCh(46, 72.871, 32.900) contains.

CIELCh(46, 72.924, 33.075)	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, 72.924, 33.075)

Conversions

Conversions Part 1

Format	Color
Hex	CE2E2E
RGB	206, 46, 46
RGB Percent	81%, 18%, 18%
CMY	0.1922, 0.8196, 0.8197
CMYK	0.00, 0.78, 0.78, 0.19
HSL	0°, 63%, 49%
HSV	0°, 78%, 81%
XYZ	26.9174, 15.2687, 4.1117
YIQ	93.8400, 95.3600, 33.9200

Conversions

Conversions Part 2

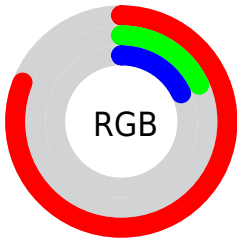
Format	Color
R_{YB}	206, 46, 46
Decimal	13512238
CIE _{Lab}	46.00, 61.11, 39.80
CIE _{LCh}	46, 72.924, 33.075
Yxy	15.2687, 0.5814, 0.3298
Android (android.graphics.Color)	4291702318 (0xFFCE2E2E)
YUV	93.8400, -23.5851, 98.3643
Hunter-Lab	39.0751, 54.5806, 21.1138

Details

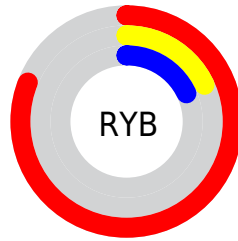
The CIELCh color **46, 72.924, 33.075** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **76, 40.220, 196.556**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 66.638, 32.941**, and **29, 67.168, 39.169** is the 20% darker color. If you saturate the color by 10%, you get **44, 81.595, 36.626**, and if you desaturate by 10%, it is **49, 63.088, 29.698**.

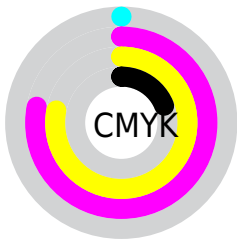
Distribution



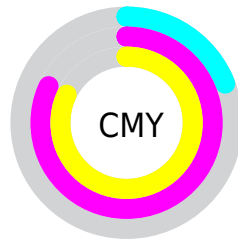
- Red (81%)
- Green (18%)
- Blue (18%)



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



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



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 72.924, 33.075 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, 72.924, 33.075 by changing the saturation by 10% instead.

 46, 72.924, 33.075

 46, 72.924, 33.075

 100, 72.924,
33.075

 36, 72.924, 33.075

 66, 72.924, 33.075

 26, 72.924, 33.075

 76, 72.924, 33.075

 16, 72.924, 33.075

 86, 72.924, 33.075

 6, 72.924, 33.075

 96, 72.924, 33.075

 0, 72.924, 33.075

 46, 72.924, 33.075

 46, 72.924, 33.075

 44, 81.595, 36.626

 49, 63.088, 29.698

 43, 87.722, 39.391

 53, 52.822, 26.878

43, 89.031, 40.001

57, 42.545, 24.654

62, 32.560, 22.942

67, 23.068, 21.631

73, 14.176, 20.617

78, 5.918, 19.792

84, 1.722, 199.616

90, 8.788, 198.881

Harmonies

Complementary

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



46, 72.924, 33.075



76, 40.220, 196.556

Rectangle

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



46, 72.924, 33.075



46, 72.924, 83.075



46, 72.924, 213.075



46, 72.924, 263.075

Sweetspot

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



46, 72.921, 33.077



84, 22.420, 21.155



51, 90.653, 327.961



43, 15.736, 21.547



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, 72.921, 33.077



54, 100.890, 38.549



60, 59.397, 65.299



40, 4.369, 19.928



34, 75.553, 39.823



4, 17.910, 19.407

Inverse Universe

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



76, 40.220, 196.556



91, 49.719, 196.415



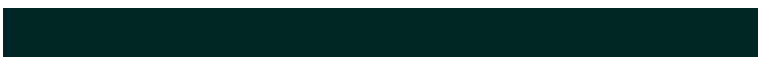
52, 48.331, 274.560



42, 4.119, 198.980



62, 36.299, 196.393



13, 13.513, 196.391

Previews

White Background



This preview shows how the CIELCh color 46, 72.924, 33.075 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, 72.924, 33.075 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, 72.924, 33.075

Background



This preview shows how black text looks on a background with the CIELCh color 46, 72.924, 33.075.

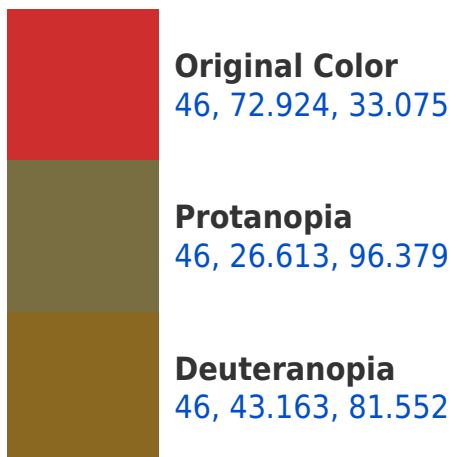


This preview shows how white text looks on a background with the CIELCh color 46, 72.924, 33.075.

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, 72.924, 33.075

Protanomaly
44, 36.647, 49.940

Deuteranomaly
44, 49.860, 53.451

Tritanomaly
46, 72.655, 32.698

Monochromacy



Original Color
46, 72.924, 33.075

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 26.654, 23.553

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 72.924, 33.075 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, 46)` looks like.

```
.text, #text, p{  
    color:rgb(206, 46, 46)  
}
```

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, 46) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 46, 72.924, 33.075 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, 46) }
```

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

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

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, 46)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 46, 72.924, 33.075 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, 46) }
```

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

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

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor