

Converting Colors

CIELCh(46, 74.323, 34.022)

Have a look what the booklet for
CIELCh(46, 74.323, 34.022) contains.

CIELCh(46, 74.312, 34.017)	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, 74.312, 34.017)

Conversions

Conversions Part 1

Format	Color
Hex	CF2D2B
RGB	207, 45, 43
RGB Percent	81%, 18%, 17%
CMY	0.1890, 0.8244, 0.8319
CMYK	0.00, 0.78, 0.79, 0.19
HSL	1°, 66%, 49%
HSV	1°, 79%, 81%
XYZ	27.0376, 15.2687, 3.7938
YIQ	93.2100, 97.1940, 33.7220

Conversions

Conversions Part 2

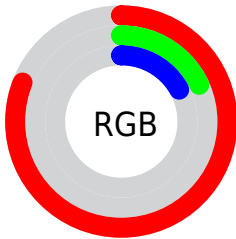
Format	Color
RYB	207, 45, 43
Decimal	13577515
CIELab	46.00, 61.60, 41.57
CIElCh	46, 74.312, 34.017
Yxy	15.2687, 0.5865, 0.3312
Android (android.graphics.Color)	4291767595 (0xFFCF2D2B)
YUV	93.2100, -24.7535, 99.7938
Hunter-Lab	39.0751, 55.1296, 21.5961

Details

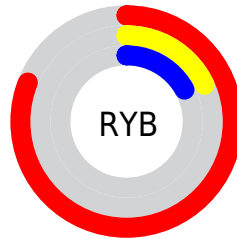
The CIELCh color **46, 74.312, 34.017** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **75, 40.067, 198.073**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 67.630, 33.807**, and **29, 67.550, 39.211** is the 20% darker color. If you saturate the color by 10%, you get **44, 82.817, 37.358**, and if you desaturate by 10%, it is **49, 64.496, 30.720**.

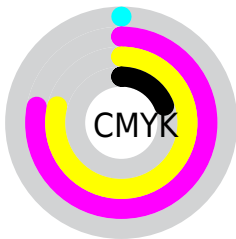
Distribution



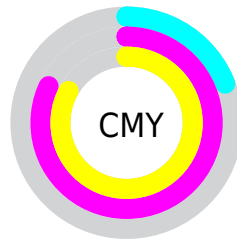
- Red (81%)
- Green (18%)
- Blue (17%)



- Red (81%)
- Yellow (18%)
- Blue (17%)



- Cyan (0%)
- Magenta (78%)
- Yellow (79%)
- Black (19%)



- Cyan (19%)
- Magenta (82%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 74.312, 34.017 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, 74.312, 34.017 by changing the saturation by 10% instead.

 46, 74.312, 34.017

 46, 74.312, 34.017

 100, 74.312,
34.017

 36, 74.312, 34.017

 66, 74.312, 34.017

 26, 74.312, 34.017

 76, 74.312, 34.017

 16, 74.312, 34.017

 86, 74.312, 34.017

 6, 74.312, 34.017

 96, 74.312, 34.017

 0, 74.312, 34.017

 46, 74.312, 34.017

 46, 74.312, 34.017

 44, 82.817, 37.358

 49, 64.496, 30.720

 43, 88.720, 39.913

 52, 54.213, 27.923

43, 89.137, 40.108

57, 43.907, 25.702

61, 33.888, 23.989

67, 24.359, 22.680

72, 15.430, 21.674

78, 7.137, 20.873

83, 0.535, 201.428

89, 7.625, 199.988

Harmonies

Complementary

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



46, 74.312, 34.017



75, 40.067, 198.073

Rectangle

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



46, 74.312, 34.017



46, 74.312, 84.017



46, 74.312, 214.017



46, 74.312, 264.017

Sweetspot

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



46, 74.309, 34.019



84, 23.225, 22.147



51, 91.878, 327.995



42, 16.178, 22.526



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, 74.309, 34.019



54, 101.912, 39.114



60, 60.805, 65.026



41, 4.408, 20.883



35, 76.292, 40.012



4, 19.873, 20.036

Inverse Universe

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



75, 40.067, 198.073



90, 49.046, 198.194



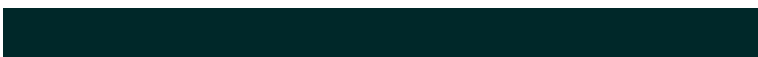
51, 49.439, 275.237



43, 4.153, 200.007



62, 36.105, 198.216



14, 13.850, 197.856

Previews

White Background



This preview shows how the CIELCh color 46, 74.312, 34.017 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, 74.312, 34.017 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, 74.312, 34.017

Background



This preview shows how black text looks on a background with the CIELCh color 46, 74.312, 34.017.



This preview shows how white text looks on a background with the CIELCh color 46, 74.312, 34.017.

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

46, 74.312, 34.017

Protanopia

46, 28.894, 95.844

Deuteranopia

46, 45.190, 82.234



Tritanopia
46, 73.950, 33.104

Trichromacy



Original Color
46, 74.312, 34.017

Protanomaly
44, 38.738, 51.180

Deuteranomaly
44, 51.457, 54.249

Tritanomaly
46, 74.221, 33.469

Monochromacy



Original Color
46, 74.312, 34.017

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 27.239, 23.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 74.312, 34.017 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(207, 45, 43)` looks like.

```
.text, #text, p{  
  color:rgb(207, 45, 43)  
}
```

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(207, 45, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 45, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 74.312, 34.017 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(207, 45, 43) }
```

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

```
.border{ border-color:rgb(207, 45, 43) }
```

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

Here you see how a box with a 4 pixel rgb(207, 45, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 45, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 45, 43);  
box-shadow:4px 4px 4px 4px rgb(207, 45,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 74.312, 34.017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 45, 43) }
```

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

```
.background{ background-color: rgb(207, 45,  
43) }
```

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