

Converting Colors

CIELCh(44, 80.499, 30.135)

Have a look what the booklet for
CIELCh(44, 80.499, 30.135) contains.

CIELCh(44, 80.571, 30.014)	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(44, 80.571, 30.014)

Conversions

Conversions Part 1

Format	Color
Hex	D2002A
RGB	210, 0, 42
RGB Percent	82%, 0%, 16%
CMY	0.1774, 0.9987, 0.8359
CMYK	0.00, 1.00, 0.80, 0.18
HSL	348°, 100%, 41%
HSV	348°, 100%, 82%
XYZ	26.9270, 13.8382, 3.4269
YIQ	67.5780, 111.6780, 57.5820

Conversions

Conversions Part 2

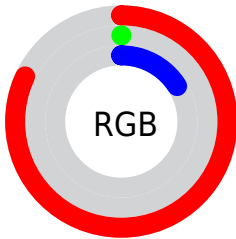
Format	Color
RYB	210, 0, 42
Decimal	13762602
CIELab	44.00, 69.77, 40.30
CIElCh	44, 80.571, 30.014
Yxy	13.8382, 0.6093, 0.3131
Android (android.graphics.Color)	4291952682 (0xFFD2002A)
YUV	67.5780, -12.6100, 124.9041
Hunter-Lab	37.1997, 64.1075, 20.5779

Details

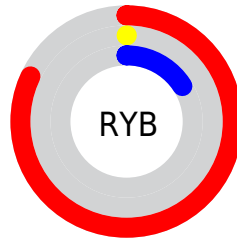
The CIELCh color **44, 80.571, 30.014** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **75, 53.612, 170.892**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **61, 72.723, 29.000**, and **30, 68.310, 39.289** is the 20% darker color. If you saturate the color by 10%, you get **44, 80.659, 30.095**, and if you desaturate by 10%, it is **45, 75.033, 24.792**.

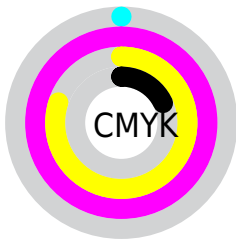
Distribution



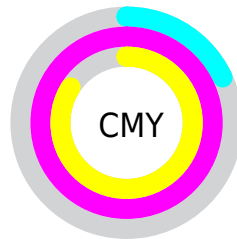
- Red (82%)
- Green (0%)
- Blue (16%)



- Red (82%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (18%)



- Cyan (18%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 80.571, 30.014 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 44, 80.571, 30.014 by changing the saturation by 10% instead.

■ 44, 80.571, 30.014

■ 44, 80.571, 30.014

■ 100, 80.571,
30.014

■ 34, 80.571, 30.014

■ 64, 80.571, 30.014

■ 24, 80.571, 30.014

■ 74, 80.571, 30.014

■ 14, 80.571, 30.014

■ 84, 80.571, 30.014

■ 4, 80.571, 30.014

■ 94, 80.571, 30.014

■ 0, 80.571, 30.014

■ 44, 80.571, 30.014

■ 44, 80.571, 30.014

■ 44, 80.659, 30.095

■ 45, 75.033, 24.792

■ 47, 68.687, 19.983

■ 50, 61.273, 15.997

■ 53, 52.923, 12.817

■ 57, 43.951, 10.307

■ 62, 34.719, 8.314

■ 67, 25.527, 6.706

■ 73, 16.586, 5.381

■ 78, 8.017, 4.249

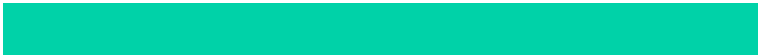
Harmonies

Complementary

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



44, 80.571, 30.014



75, 53.612, 170.892

Rectangle

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



44, 80.571, 30.014



44, 80.571, 80.014



44, 80.571, 210.014



44, 80.571, 260.014

Sweetspot

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



44, 80.568, 30.016



80, 30.106, 6.779



43, 101.620, 320.653



40, 20.714, 7.431



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



44, 80.568, 30.016



53, 94.025, 30.754



49, 81.742, 47.155



41, 4.607, 4.203



35, 67.917, 29.178



4, 20.209, 10.293

Inverse Universe

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



44, 80.568, 30.016



53, 94.025, 30.754



58, 42.392, 256.511



41, 4.607, 4.203



35, 67.917, 29.178



4, 20.209, 10.293

Previews

White Background



This preview shows how the CIELCh color 44, 80.571, 30.014 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 CIE LCh color 44, 80.571, 30.014 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 44, 80.571, 30.014

Background



This preview shows how black text looks on a background with the CIELCh color 44, 80.571, 30.014.



This preview shows how white text looks on a background with the CIELCh color 44, 80.571, 30.014.

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

44, 80.634, 29.962

Protanopia

45, 24.535, 95.707

Deuteranopia

45, 44.971, 82.543



Tritanopia
44, 88.771, 40.862

Trichromacy



Original Color
44, 80.634, 29.962

Protanomaly
39, 40.766, 34.637

Deuteranomaly
40, 55.018, 45.049

Tritanomaly
44, 86.335, 38.056

Monochromacy



Original Color
44, 80.634, 29.962

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 35.969, 13.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 80.571, 30.014 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(210, 0, 42)` looks like.

```
.text, #text, p{  
    color:rgb(210, 0, 42)  
}
```

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(210, 0, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 0, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 80.571, 30.014 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(210, 0, 42) }
```

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

```
.border{ border-color:rgb(210, 0, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 0, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 0, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 0, 42);  
box-shadow:4px 4px 4px 4px rgb(210, 0, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 44, 80.571, 30.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 0, 42) }
```

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

```
.background{ background-color: rgb(210, 0,  
42) }
```

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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