

Converting Colors

CIELCh(47, 80.971, 25.285)

Have a look what the booklet for
CIELCh(47, 80.971, 25.285) contains.

CIELCh(47, 80.947, 25.141)	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(47, 80.947, 25.141)

Conversions

Conversions Part 1

Format	Color
Hex	DF023B
RGB	223, 2, 59
RGB Percent	87%, 1%, 23%
CMY	0.1263, 0.9907, 0.7692
CMYK	0.00, 0.99, 0.74, 0.13
HSL	345°, 98%, 44%
HSV	345°, 99%, 87%
XYZ	31.1777, 16.0195, 5.5670
YIQ	74.5770, 113.4190, 64.5790

Conversions

Conversions Part 2

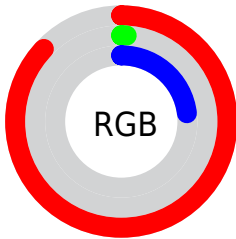
Format	Color
RYB	223, 2, 59
Decimal	14615099
CIELab	47.00, 73.28, 34.39
CIElCh	47, 80.947, 25.141
Yxy	16.0195, 0.5909, 0.3036
Android (android.graphics.Color)	4292805179 (0xFFDF023B)
YUV	74.5770, -7.6795, 130.1670
Hunter-Lab	40.0243, 69.0035, 19.7704

Details

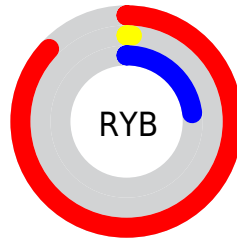
The CIELCh color **47, 80.947, 25.141** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **79, 60.300, 165.464**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **61, 68.304, 22.492**, and **33, 68.672, 34.580** is the 20% darker color. If you saturate the color by 10%, you get **47, 81.472, 25.709**, and if you desaturate by 10%, it is **48, 76.102, 19.709**.

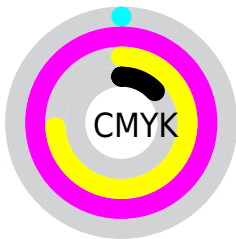
Distribution



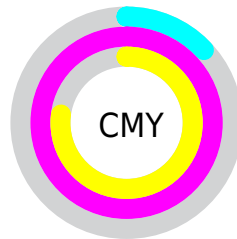
- Red (87%)
- Green (1%)
- Blue (23%)



- Red (87%)
- Yellow (1%)
- Blue (23%)



- Cyan (0%)
- Magenta (99%)
- Yellow (74%)
- Black (13%)



- Cyan (13%)
- Magenta (99%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 80.947, 25.141 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 47, 80.947, 25.141 by changing the saturation by 10% instead.

■ 47, 80.947, 25.141

■ 47, 80.947, 25.141

■ 100, 80.947,
25.141

■ 37, 80.947, 25.141

■ 67, 80.947, 25.141

■ 27, 80.947, 25.141

■ 77, 80.947, 25.141

■ 17, 80.947, 25.141

■ 87, 80.947, 25.141

■ 7, 80.947, 25.141

■ 97, 80.947, 25.141

■ 0, 80.947, 25.141

■ 47, 80.947, 25.141

■ 47, 80.947, 25.141

■ 47, 81.472, 25.709

■ 48, 76.102, 19.709

■ 50, 70.244, 14.985

■ 53, 63.061, 11.162

■ 57, 54.702, 8.139

■ 61, 45.535, 5.751

■ 66, 35.970, 3.840

■ 72, 26.350, 2.281

■ 77, 16.914, 0.979

■ 83, 7.805, 359.848

Harmonies

Complementary

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



47, 80.947, 25.141



79, 60.300, 165.464

Rectangle

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



47, 80.947, 25.141



47, 80.947, 75.141



47, 80.947, 205.141



47, 80.947, 255.141

Sweetspot

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



47, 80.944, 25.143



80, 30.552, 2.467



43, 107.240, 318.395



40, 20.981, 3.108



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 80.944, 25.143



54, 90.529, 26.179



50, 87.922, 44.287



44, 4.997, 359.904



37, 67.839, 24.725



6, 25.302, 9.935

Inverse Universe

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



47, 80.944, 25.143



54, 90.529, 26.179



65, 40.586, 242.890



44, 4.997, 359.904



37, 67.839, 24.725



6, 25.302, 9.935

Previews

White Background



This preview shows how the CIELCh color 47, 80.947, 25.141 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 47, 80.947, 25.141 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 47, 80.947, 25.141

Background



This preview shows how black text looks on a background with the CIELCh color 47, 80.947, 25.141.



This preview shows how white text looks on a background with the CIELCh color 47, 80.947, 25.141.

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

47, 81.008, 25.095

Protanopia

48, 15.074, 94.593

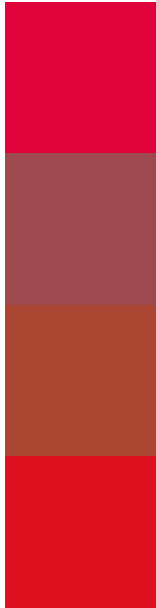
Deuteranopia

48, 38.762, 80.821



Tritanopia
47, 89.408, 38.667

Trichromacy



Original Color
47, 81.008, 25.095

Protanomaly
42, 38.620, 22.345

Deuteranomaly
43, 51.444, 38.550

Tritanomaly
47, 86.495, 34.703

Monochromacy



Original Color
47, 81.008, 25.095

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 36.843, 8.761

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 80.947, 25.141 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(223, 2, 59)` looks like.

```
.text, #text, p{  
    color:rgb(223, 2, 59)  
}
```

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(223, 2, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 2, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 80.947, 25.141 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(223, 2, 59) }
```

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

```
.border{ border-color:rgb(223, 2, 59) }
```

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

Here you see how a box with a 4 pixel rgb(223, 2, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 2, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 2, 59);  
box-shadow:4px 4px 4px 4px rgb(223, 2, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 80.947, 25.141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 2, 59) }
```

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

```
.background{ background-color: rgb(223, 2,  
59) }
```

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