

Converting Colors

CIELCh(47, 80.809, 25.623)

Have a look what the booklet for
CIELCh(47, 80.809, 25.623) contains.

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Color

CIELCh(47, 80.639, 25.548)

Conversions

Conversions Part 1

Format	Color
Hex	DE073A
RGB	222, 7, 58
RGB Percent	87%, 3%, 23%
CMY	0.1285, 0.9734, 0.7719
CMYK	0.00, 0.97, 0.74, 0.13
HSL	346°, 94%, 45%
HSV	346°, 97%, 87%
XYZ	31.0358, 16.0195, 5.4804
YIQ	77.0990, 111.7690, 61.4410

Conversions

Conversions Part 2

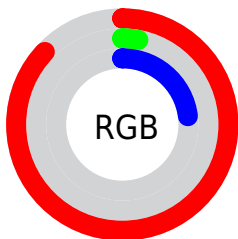
Format	Color
RYB	222, 7, 58
Decimal	14550842
CIELab	47.00, 72.75, 34.78
CIElCh	47, 80.639, 25.548
Yxy	16.0195, 0.5908, 0.3049
Android (android.graphics.Color)	4292740922 (0xFFDE073A)
YUV	77.0990, -9.4158, 127.0782
Hunter-Lab	40.0243, 68.3706, 19.8986

Details

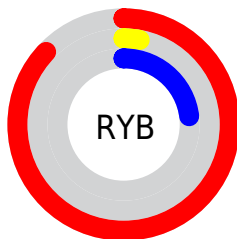
The CIELCh color **47, 80.639, 25.548** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **79, 58.345, 167.470**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 68.161, 23.222**, and **33, 68.575, 34.870** is the 20% darker color. If you saturate the color by 10%, you get **47, 82.208, 27.175**, and if you desaturate by 10%, it is **48, 75.396, 20.190**.

Distribution



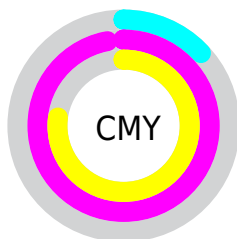
- Red (87%)
- Green (3%)
- Blue (23%)



- Red (87%)
- Yellow (3%)
- Blue (23%)



- Cyan (0%)
- Magenta (97%)
- Yellow (74%)
- Black (13%)



- Cyan (13%)
- Magenta (97%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 80.639, 25.548 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, 80.639, 25.548 by changing the saturation by 10% instead.

 47, 80.639, 25.548

 47, 80.639, 25.548

 100, 80.639,
25.548

 37, 80.639, 25.548

 67, 80.639, 25.548

 27, 80.639, 25.548

 77, 80.639, 25.548

 17, 80.639, 25.548

 87, 80.639, 25.548

 7, 80.639, 25.548

 97, 80.639, 25.548

 0, 80.639, 25.548

 47, 80.639, 25.548

 47, 80.639, 25.548

 47, 82.208, 27.175

 48, 75.396, 20.190

 50, 69.040, 15.607

■ 53, 61.433, 11.907

■ 57, 52.775, 8.983

■ 62, 43.447, 6.671

■ 67, 33.841, 4.820

■ 73, 24.268, 3.308

■ 78, 14.941, 2.043

■ 84, 5.981, 0.928

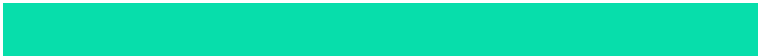
Harmonies

Complementary

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



47, 80.639, 25.548



79, 58.345, 167.470

Rectangle

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



47, 80.639, 25.548



47, 80.639, 75.548



47, 80.639, 205.548



47, 80.639, 255.548

Sweetspot

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



47, 80.636, 25.550



81, 29.329, 3.628



44, 106.184, 319.065



40, 20.274, 4.270



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, 80.636, 25.550



54, 91.549, 27.649



51, 85.678, 45.019



44, 4.959, 1.203



37, 68.551, 26.211



6, 25.289, 10.779

Inverse Universe

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



47, 80.636, 25.550



54, 91.549, 27.649



65, 40.894, 245.473



44, 4.959, 1.203



37, 68.551, 26.211



6, 25.289, 10.779

Previews

White Background



This preview shows how the CIELCh color 47, 80.639, 25.548 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 47, 80.639, 25.548 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, 80.639, 25.548

Background



This preview shows how black text looks on a background with the CIELCh color 47, 80.639, 25.548.



This preview shows how white text looks on a background with the CIELCh color 47, 80.639, 25.548.

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, 80.578, 25.594

Protanopia

48, 15.642, 94.979

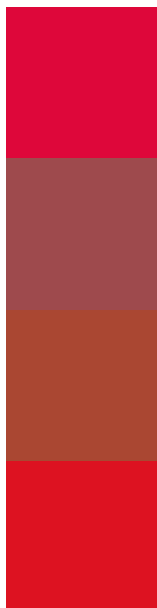
Deuteranopia

47, 38.805, 80.755



Tritanopia
47, 88.746, 38.552

Trichromacy



Original Color
47, 80.578, 25.594

Protanomaly
42, 38.244, 23.026

Deuteranomaly
43, 51.068, 39.667

Tritanomaly
47, 85.725, 34.508

Monochromacy



Original Color
47, 80.578, 25.594

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 36.353, 9.183

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 80.639, 25.548 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(222, 7, 58)` looks like.

```
.text, #text, p{  
    color:rgb(222, 7, 58)  
}
```

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(222, 7, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 7, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 80.639, 25.548 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(222, 7, 58) }
```

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

```
.border{ border-color:rgb(222, 7, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 7, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 7, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 7, 58);  
box-shadow:4px 4px 4px 4px rgb(222, 7, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 80.639, 25.548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 7, 58) }
```

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

```
.background{ background-color: rgb(222, 7,  
58) }
```

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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