

Converting Colors

CIELCh(49, 82.412, 27.707)

Have a look what the booklet for
CIELCh(49, 82.412, 27.707) contains.

CIELCh(49, 82.479, 27.663)	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(49, 82.479, 27.663)

Conversions

Conversions Part 1

Format	Color
Hex	E61539
RGB	230, 21, 57
RGB Percent	90%, 8%, 22%
CMY	0.0996, 0.9168, 0.7775
CMYK	0.00, 0.91, 0.75, 0.10
HSL	350°, 83%, 49%
HSV	350°, 91%, 90%
XYZ	33.5102, 17.5941, 5.4654
YIQ	87.5950, 113.0080, 55.5040

Conversions

Conversions Part 2

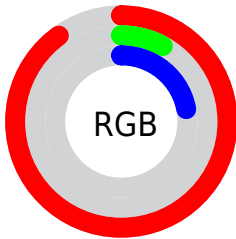
Format	Color
R_{YB}	230, 21, 57
Decimal	15078713
CIE _{Lab}	49.00, 73.05, 38.29
CIE _{LCh}	49, 82.479, 27.663
Yxy	17.5941, 0.5924, 0.3110
Android (android.graphics.Color)	4293268793 (0xFFE61539)
YUV	87.5950, -15.0833, 124.8892
Hunter-Lab	41.9453, 69.2000, 21.6363

Details

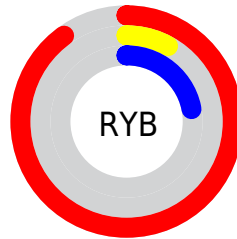
The CIELCh color **49, 82.479, 27.663** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **82, 53.769, 175.257**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.854, 25.161**, and **34, 71.655, 35.919** is the 20% darker color. If you saturate the color by 10%, you get **48, 88.222, 32.374**, and if you desaturate by 10%, it is **51, 75.363, 22.777**.

Distribution



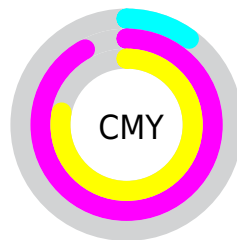
- Red (90%)
- Green (8%)
- Blue (22%)



- Red (90%)
- Yellow (8%)
- Blue (22%)



- Cyan (0%)
- Magenta (91%)
- Yellow (75%)
- Black (10%)



- Cyan (10%)
- Magenta (92%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 82.479, 27.663 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 49, 82.479, 27.663 by changing the saturation by 10% instead.

 49, 82.479, 27.663

 49, 82.479, 27.663

 100, 82.479,
27.663

 39, 82.479, 27.663

 69, 82.479, 27.663

 29, 82.479, 27.663

 79, 82.479, 27.663

 19, 82.479, 27.663

 89, 82.479, 27.663

 9, 82.479, 27.663

 99, 82.479, 27.663

 0, 82.479, 27.663

 49, 82.479, 27.663

 49, 82.479, 27.663

 48, 88.222, 32.374

 51, 75.363, 22.777

 54, 67.161, 18.642

■ 57, 58.009, 15.318

■ 62, 48.229, 12.696

■ 67, 38.200, 10.625

■ 73, 28.246, 8.969

■ 78, 18.594, 7.617

■ 84, 9.373, 6.477

■ 91, 0.642, 4.709

Harmonies

Complementary

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



49, 82.479, 27.663



82, 53.769, 175.257

Rectangle

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



49, 82.479, 27.663



49, 82.479, 77.663



49, 82.479, 207.663



49, 82.479, 257.663

Sweetspot

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



49, 82.476, 27.665



82, 26.771, 8.452



49, 106.032, 321.609



41, 18.186, 8.944



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



49, 82.476, 27.665



53, 95.814, 32.693



56, 80.485, 49.068



45, 4.930, 6.338



37, 72.417, 31.447



7, 26.699, 14.663

Inverse Universe

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



49, 82.476, 27.665



53, 95.814, 32.693



64, 44.247, 255.270



45, 4.930, 6.338



37, 72.417, 31.447



7, 26.699, 14.663

Previews

White Background



This preview shows how the CIELCh color 49, 82.479, 27.663 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 49, 82.479, 27.663 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 82.479, 27.663

Background



This preview shows how black text looks on a background with the CIELCh color 49, 82.479, 27.663.



This preview shows how white text looks on a background with the CIELCh color 49, 82.479, 27.663.

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

49, 82.573, 27.588

Protanopia

49, 19.593, 95.738

Deuteranopia

49, 42.061, 81.813



Tritanopia
49, 89.414, 37.697

Trichromacy



Original Color
49, 82.573, 27.588

Protanomaly
45, 38.760, 31.610

Deuteranomaly
46, 52.215, 43.990

Tritanomaly
49, 86.691, 34.451

Monochromacy



Original Color
49, 82.573, 27.588

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 34.098, 12.764

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 82.479, 27.663 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(230, 21, 57)` looks like.

```
.text, #text, p{  
    color:rgb(230, 21, 57)  
}
```

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(230, 21, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 21, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 82.479, 27.663 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(230, 21, 57) }
```

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

```
.border{ border-color:rgb(230, 21, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 21, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 21, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 21, 57);  
box-shadow:4px 4px 4px 4px rgb(230, 21,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 82.479, 27.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 21, 57) }
```

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

```
.background{ background-color: rgb(230, 21,  
57) }
```

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