

Converting Colors

CIELCh(49, 79.936, 27.030)

Have a look what the booklet for
CIELCh(49, 79.936, 27.030) contains.

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Color

CIELCh(49, 79.840, 26.988)

Conversions

Conversions Part 1

Format	Color
Hex	E31E3C
RGB	227, 30, 60
RGB Percent	89%, 12%, 24%
CMY	0.1097, 0.8820, 0.7646
CMYK	0.00, 0.87, 0.74, 0.11
HSL	351°, 78%, 50%
HSV	351°, 87%, 89%
XYZ	32.9708, 17.5941, 5.9363
YIQ	92.3230, 107.7820, 51.0940

Conversions

Conversions Part 2

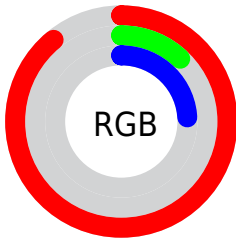
Format	Color
RYB	227, 30, 60
Decimal	14884412
CIELab	49.00, 71.15, 36.23
CIElCh	49, 79.840, 26.988
Yxy	17.5941, 0.5835, 0.3114
Android (android.graphics.Color)	4293074492 (0xFFE31E3C)
YUV	92.3230, -15.9352, 118.1117
Hunter-Lab	41.9453, 66.9045, 20.9706

Details

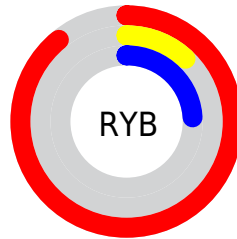
The CIELCh color **49, 79.840, 26.988** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **81, 51.355, 177.820**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 65.456, 24.753**, and **34, 70.139, 34.837** is the 20% darker color. If you saturate the color by 10%, you get **48, 86.500, 32.023**, and if you desaturate by 10%, it is **51, 72.074, 22.416**.

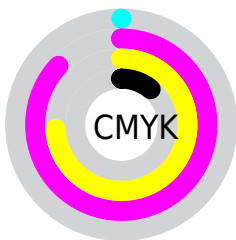
Distribution



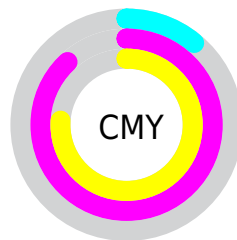
- Red (89%)
- Green (12%)
- Blue (24%)



- Red (89%)
- Yellow (12%)
- Blue (24%)



- Cyan (0%)
- Magenta (87%)
- Yellow (74%)
- Black (11%)



- Cyan (11%)
- Magenta (88%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 79.840, 26.988 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, 79.840, 26.988 by changing the saturation by 10% instead.

 49, 79.840, 26.988

 49, 79.840, 26.988

 100, 79.840,
26.988

 39, 79.840, 26.988

 69, 79.840, 26.988

 29, 79.840, 26.988

 79, 79.840, 26.988

 19, 79.840, 26.988

 89, 79.840, 26.988

 9, 79.840, 26.988

 99, 79.840, 26.988

 0, 79.840, 26.988

 49, 79.840, 26.988

 49, 79.840, 26.988

 48, 86.500, 32.023

 51, 72.074, 22.416

 48, 88.525, 33.532

 54, 63.309, 18.615

■ 58, 53.778, 15.584

■ 63, 43.834, 13.198

■ 68, 33.831, 11.311

■ 74, 24.044, 9.796

■ 80, 14.648, 8.553

■ 86, 5.733, 7.474

■ 92, 2.671, 186.931

Harmonies

Complementary

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



49, 79.840, 26.988



81, 51.355, 177.820

Rectangle

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



49, 79.840, 26.988



49, 79.840, 76.988



49, 79.840, 206.988



49, 79.840, 256.988

Sweetspot

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



49, 79.837, 26.990



83, 25.638, 9.717



49, 103.257, 322.295



42, 17.535, 10.203



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, 79.837, 26.990



53, 96.999, 33.871



57, 75.739, 50.549



45, 4.905, 7.761



37, 73.304, 32.680



7, 26.724, 15.434

Inverse Universe

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



49, 79.837, 26.990



53, 96.999, 33.871



63, 43.702, 256.168



45, 4.905, 7.761



37, 73.304, 32.680



7, 26.724, 15.434

Previews

White Background



This preview shows how the CIELCh color 49, 79.840, 26.988 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, 79.840, 26.988 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, 79.840, 26.988

Background



This preview shows how black text looks on a background with the CIELCh color 49, 79.840, 26.988.



This preview shows how white text looks on a background with the CIELCh color 49, 79.840, 26.988.

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, 79.840, 26.988

Protanopia

49, 17.342, 94.614

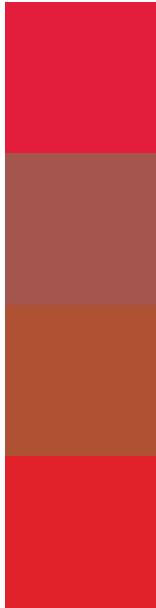
Deuteranopia

49, 40.225, 81.074



Tritanopia
49, 85.316, 36.090

Trichromacy



Original Color
49, 79.840, 26.988

Protanomaly
45, 36.488, 30.739

Deuteranomaly
46, 50.143, 44.448

Tritanomaly
49, 83.191, 33.246

Monochromacy



Original Color
49, 79.840, 26.988

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 32.593, 13.700

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 79.840, 26.988 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(227, 30, 60)` looks like.

```
.text, #text, p{  
    color:rgb(227, 30, 60)  
}
```

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(227, 30, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 30, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 79.840, 26.988 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(227, 30, 60) }
```

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

```
.border{ border-color:rgb(227, 30, 60) }
```

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

Here you see how a box with a 4 pixel rgb(227, 30, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 30, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 30, 60);  
box-shadow:4px 4px 4px 4px rgb(227, 30,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 79.840, 26.988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 30, 60) }
```

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

```
.background{ background-color: rgb(227, 30,  
60) }
```

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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