

Converting Colors

CIELCh(47, 81.415, 20.604)

Have a look what the booklet for
CIELCh(47, 81.415, 20.604) contains.

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Color

CIELCh(48, 79.857, 21.309)

Conversions

Conversions Part 1

Format	Color
Hex	E20546
RGB	226, 5, 70
RGB Percent	89%, 2%, 27%
CMY	0.1119, 0.9807, 0.7253
CMYK	0.00, 0.98, 0.69, 0.11
HSL	342°, 96%, 45%
HSV	342°, 98%, 89%
XYZ	32.6737, 16.7945, 7.3205
YIQ	78.4890, 110.8510, 67.0670

Conversions

Conversions Part 2

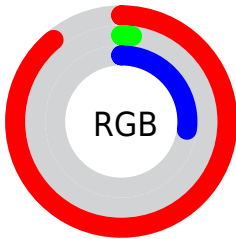
Format	Color
R_{YB}	226, 5, 70
Decimal	14812486
CIE Lab	48.00, 74.40, 29.02
CIE LCh	48, 79.857, 21.309
Yxy	16.7945, 0.5754, 0.2957
Android (android.graphics.Color)	4293002566 (0xFFE20546)
YUV	78.4890, -4.1851, 129.3671
Hunter-Lab	40.9810, 70.5992, 18.0956

Details

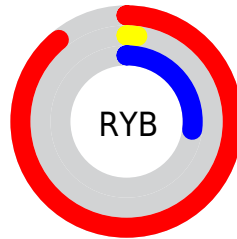
The CIELCh color **48, 79.857, 21.309** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **80, 63.753, 162.491**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 66.227, 17.514**, and **33, 67.026, 30.847** is the 20% darker color. If you saturate the color by 10%, you get **48, 80.783, 22.486**, and if you desaturate by 10%, it is **49, 75.559, 15.940**.

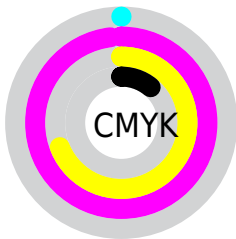
Distribution



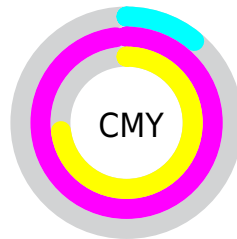
- Red (89%)
- Green (2%)
- Blue (27%)



- Red (89%)
- Yellow (2%)
- Blue (27%)



- Cyan (0%)
- Magenta (98%)
- Yellow (69%)
- Black (11%)



- Cyan (11%)
- Magenta (98%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 79.857, 21.309 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 48, 79.857, 21.309 by changing the saturation by 10% instead.

 48, 79.857, 21.309

 48, 79.857, 21.309

 100, 79.857,
21.309

 38, 79.857, 21.309

 68, 79.857, 21.309

 28, 79.857, 21.309

 78, 79.857, 21.309

 18, 79.857, 21.309

 88, 79.857, 21.309

 8, 79.857, 21.309

 98, 79.857, 21.309

 0, 79.857, 21.309

 48, 79.857, 21.309

 48, 79.857, 21.309

 48, 80.783, 22.486

 49, 75.559, 15.940

 51, 70.015, 11.427

■ 54, 62.976, 7.822

■ 58, 54.642, 4.980

■ 63, 45.421, 2.729

■ 68, 35.748, 0.915

■ 74, 25.978,
359.421

■ 79, 16.358,
358.160

■ 85, 7.039, 357.049

Harmonies

Complementary

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



48, 79.857, 21.309



80, 63.753, 162.491

Rectangle

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



48, 79.857, 21.309



48, 79.857, 71.309



48, 79.857, 201.309



48, 79.857, 251.309

Sweetspot

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



48, 79.853, 21.311



81, 29.866, 359.609



43, 108.893, 317.378



41, 20.609, 0.232



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



48, 79.853, 21.311



54, 88.577, 22.901



50, 89.615, 43.122



44, 5.085, 357.223



37, 66.498, 21.435



6, 25.348, 8.022

Inverse Universe

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



48, 79.853, 21.311



54, 88.577, 22.901



69, 40.029, 235.304



44, 5.085, 357.223



37, 66.498, 21.435



6, 25.348, 8.022

Previews

White Background



This preview shows how the CIELCh color 48, 79.857, 21.309 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 48, 79.857, 21.309 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 48, 79.857, 21.309

Background



This preview shows how black text looks on a background with the CIELCh color 48, 79.857, 21.309.

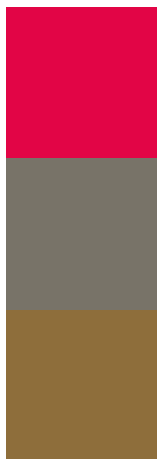


This preview shows how white text looks on a background with the CIELCh color 48, 79.857, 21.309.

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

48, 79.698, 21.264

Protanopia

49, 6.771, 91.163

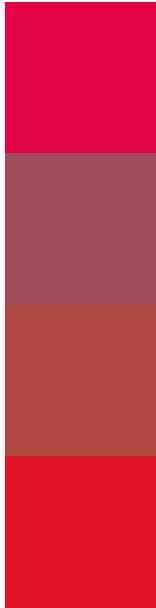
Deuteranopia

49, 33.564, 79.014



Tritanopia
48, 88.352, 37.749

Trichromacy



Original Color
48, 79.698, 21.264

Protanomaly
43, 37.233, 10.430

Deuteranomaly
44, 48.419, 32.727

Tritanomaly
48, 85.238, 32.566

Monochromacy



Original Color
48, 79.698, 21.264

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 37.273, 4.971

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 79.857, 21.309 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(226, 5, 70)` looks like.

```
.text, #text, p{  
    color:rgb(226, 5, 70)  
}
```

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(226, 5, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 5, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 79.857, 21.309 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(226, 5, 70) }
```

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

```
.border{ border-color:rgb(226, 5, 70) }
```

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

Here you see how a box with a 4 pixel rgb(226, 5, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 5, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 5, 70);  
box-shadow:4px 4px 4px 4px rgb(226, 5, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 79.857, 21.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 5, 70) }
```

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

```
.background{ background-color: rgb(226, 5,  
70) }
```

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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