

Converting Colors

CIELCh(48, 84.002, 27.907)

Have a look what the booklet for
CIELCh(48, 84.002, 27.907) contains.

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Color

CIELCh(48, 84.019, 27.882)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | E40335 |
| RGB | 228, 3, 53 |
| RGB Percent | 89%, 1%, 21% |
| CMY | 0.1062, 0.9892, 0.7924 |
| CMYK | 0.00, 0.99, 0.77, 0.11 |
| HSL | 347°, 98%, 45% |
| HSV | 347°, 99%, 89% |
| XYZ | 32.6368, 16.7945, 4.8823 |
| YIQ | 75.9750, 118.0500, 63.2500 |

Conversions

Conversions Part 2

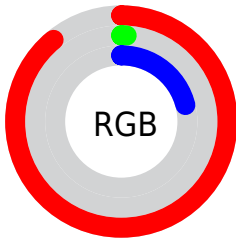
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 228, 3, 53 |
| Decimal | 14943029 |
| CIELab | 48.00, 74.27, 39.29 |
| CIElCh | 48, 84.019, 27.882 |
| Yxy | 16.7945, 0.6009, 0.3092 |
| Android (android.graphics.Color) | 4293133109 (0xFFE40335) |
| YUV | 75.9750, -11.3267, 133.3259 |
| Hunter-Lab | 40.9810, 70.4383, 21.6232 |

Details

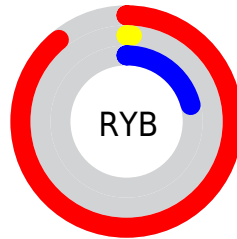
The CIELCh color **48, 84.019, 27.882** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **81, 58.756, 168.538**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 68.997, 25.423**, and **34, 71.923, 36.979** is the 20% darker color. If you saturate the color by 10%, you get **48, 84.686, 28.512**, and if you desaturate by 10%, it is **49, 78.526, 22.486**.

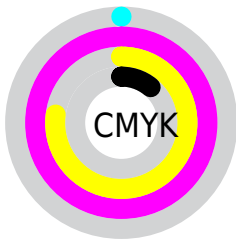
Distribution



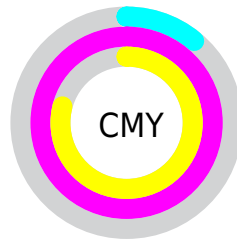
- Red (89%)
- Green (1%)
- Blue (21%)



- Red (89%)
- Yellow (1%)
- Blue (21%)



- Cyan (0%)
- Magenta (99%)
- Yellow (77%)
- Black (11%)



- Cyan (11%)
- Magenta (99%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 84.019, 27.882 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, 84.019, 27.882 by changing the saturation by 10% instead.

 48, 84.019, 27.882

 48, 84.019, 27.882

 100, 84.019,
27.882

 38, 84.019, 27.882

 68, 84.019, 27.882

 28, 84.019, 27.882

 78, 84.019, 27.882

 18, 84.019, 27.882

 88, 84.019, 27.882

 8, 84.019, 27.882

 98, 84.019, 27.882

 0, 84.019, 27.882

 48, 84.019, 27.882

 48, 84.019, 27.882

 48, 84.686, 28.512

 49, 78.526, 22.486

 51, 72.049, 17.706

■ 54, 64.344, 13.798

■ 58, 55.562, 10.698

■ 63, 46.064, 8.252

■ 68, 36.249, 6.305

■ 73, 26.448, 4.726

■ 79, 16.891, 3.415

■ 85, 7.711, 2.284

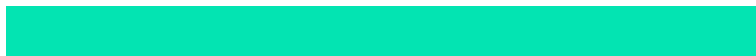
Harmonies

Complementary

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



48, 84.019, 27.882



81, 58.756, 168.538

Rectangle

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



48, 84.019, 27.882



48, 84.019, 77.882



48, 84.019, 207.882



48, 84.019, 257.882

Sweetspot

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



48, 84.016, 27.884



80, 30.273, 4.928



45, 108.465, 319.512



40, 20.812, 5.578



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, 84.016, 27.884



54, 92.482, 28.887



52, 87.956, 45.577



45, 5.020, 2.357



37, 69.987, 27.534



7, 26.651, 12.407

Inverse Universe

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



48, 84.016, 27.884



54, 92.482, 28.887



65, 42.845, 249.799



45, 5.020, 2.357



37, 69.987, 27.534



7, 26.651, 12.407

Previews

White Background



This preview shows how the CIELCh color 48, 84.019, 27.882 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, 84.019, 27.882 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, 84.019, 27.882

Background



This preview shows how black text looks on a background with the CIELCh color 48, 84.019, 27.882.



This preview shows how white text looks on a background with the CIELCh color 48, 84.019, 27.882.

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, 84.019, 27.882

Protanopia

49, 21.308, 96.350

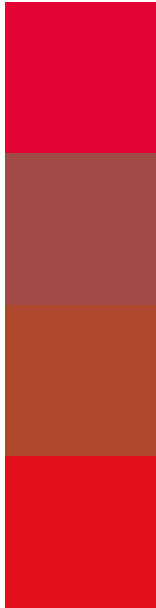
Deuteranopia

49, 43.666, 81.581



Tritanopia
48, 92.271, 39.360

Trichromacy



Original Color
48, 84.019, 27.882

Protanomaly
43, 40.945, 29.653

Deuteranomaly
44, 55.173, 42.150

Tritanomaly
48, 89.589, 36.109

Monochromacy



Original Color
48, 84.019, 27.882

Achromatopsia
32, 0.005, 296.813

Achromatomaly
33, 37.638, 10.356

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 84.019, 27.882 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(228, 3, 53)` looks like.

```
.text, #text, p{  
    color:rgb(228, 3, 53)  
}
```

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(228, 3, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 3, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 84.019, 27.882 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(228, 3, 53) }
```

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

```
.border{ border-color:rgb(228, 3, 53) }
```

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

Here you see how a box with a 4 pixel rgb(228, 3, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 3, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 3, 53);  
box-shadow:4px 4px 4px 4px rgb(228, 3, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 48, 84.019, 27.882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 3, 53) }
```

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

```
.background{ background-color: rgb(228, 3,  
53) }
```

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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