

Converting Colors

CIELCh(48, 80.859, 28.360)

Have a look what the booklet for
CIELCh(48, 80.859, 28.360) contains.

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Color

CIELCh(48, 80.859, 28.360)

Conversions

Conversions Part 1

Format	Color
Hex	E01836
RGB	224, 24, 54
RGB Percent	88%, 9%, 21%
CMY	0.1211, 0.9050, 0.7879
CMYK	0.00, 0.89, 0.76, 0.12
HSL	351°, 80%, 49%
HSV	351°, 89%, 88%
XYZ	31.7745, 16.7945, 5.0665
YIQ	87.2200, 109.5700, 51.7300

Conversions

Conversions Part 2

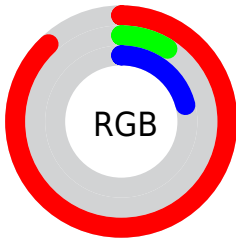
Format	Color
R_{YB}	224, 24, 54
Decimal	14686262
CIE _{Lab}	48.00, 71.15, 38.41
CIE _{LCh}	48, 80.859, 28.360
Yxy	16.7945, 0.5924, 0.3131
Android (android.graphics.Color)	4292876342 (0xFFE01836)
YUV	87.2200, -16.3775, 119.9561
Hunter-Lab	40.9810, 66.6824, 21.3567

Details

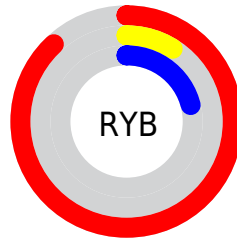
The CIELCh color **48, 80.859, 28.360** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **80, 51.215, 177.762**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 67.392, 26.492**, and **33, 70.602, 36.579** is the 20% darker color. If you saturate the color by 10%, you get **47, 87.284, 33.305**, and if you desaturate by 10%, it is **50, 73.385, 23.645**.

Distribution



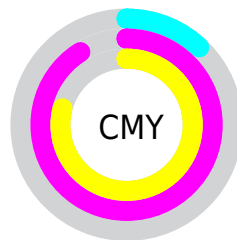
- Red (88%)
- Green (9%)
- Blue (21%)



- Red (88%)
- Yellow (9%)
- Blue (21%)



- Cyan (0%)
- Magenta (89%)
- Yellow (76%)
- Black (12%)



- Cyan (12%)
- Magenta (91%)
- Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 80.859, 28.360 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, 80.859, 28.360 by changing the saturation by 10% instead.

 48, 80.859, 28.360

 48, 80.859, 28.360

 100, 80.859,
28.360

 38, 80.859, 28.360

 68, 80.859, 28.360

 28, 80.859, 28.360

 78, 80.859, 28.360

 18, 80.859, 28.360

 88, 80.859, 28.360

 8, 80.859, 28.360

 98, 80.859, 28.360

 0, 80.859, 28.360

 48, 80.859, 28.360

 48, 80.859, 28.360

 47, 87.284, 33.305

 50, 73.385, 23.645

 47, 87.788, 33.663

 53, 64.898, 19.657

■ 57, 55.591, 16.453

■ 61, 45.796, 13.927

■ 66, 35.871, 11.934

■ 72, 26.110, 10.342

■ 78, 16.707, 9.045

■ 84, 7.769, 7.945

■ 90, 0.664, 187.988

Harmonies

Complementary

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



48, 80.859, 28.360



80, 51.215, 177.762

Rectangle

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



48, 80.859, 28.360



48, 80.859, 78.360



48, 80.859, 208.360



48, 80.859, 258.360

Sweetspot

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



48, 80.856, 28.362



82, 26.684, 10.063



49, 103.154, 322.804



41, 18.138, 10.552



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, 80.856, 28.362



53, 97.175, 34.039



56, 76.376, 51.397



44, 4.811, 7.972



37, 72.614, 32.799



6, 25.298, 14.629

Inverse Universe

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



48, 80.856, 28.362



53, 97.175, 34.039



61, 45.161, 260.064



44, 4.811, 7.972



37, 72.614, 32.799



6, 25.298, 14.629

Previews

White Background



This preview shows how the CIELCh color 48, 80.859, 28.360 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, 80.859, 28.360 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, 80.859, 28.360

Background



This preview shows how black text looks on a background with the CIELCh color 48, 80.859, 28.360.



This preview shows how white text looks on a background with the CIELCh color 48, 80.859, 28.360.

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, 80.859, 28.360

Protanopia

48, 20.776, 96.123

Deuteranopia

48, 42.383, 81.018



Tritanopia
48, 87.030, 37.248

Trichromacy



Original Color
48, 80.859, 28.360

Protanomaly
44, 37.659, 34.164

Deuteranomaly
45, 52.134, 45.174

Tritanomaly
48, 84.669, 34.418

Monochromacy



Original Color
48, 80.859, 28.360

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 33.304, 14.321

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 80.859, 28.360 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(224, 24, 54)` looks like.

```
.text, #text, p{  
    color:rgb(224, 24, 54)  
}
```

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(224, 24, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 24, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 80.859, 28.360 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(224, 24, 54) }
```

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

```
.border{ border-color:rgb(224, 24, 54) }
```

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

Here you see how a box with a 4 pixel rgb(224, 24, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 24, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 24, 54);  
box-shadow:4px 4px 4px 4px rgb(224, 24,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 80.859, 28.360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 24, 54) }
```

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

```
.background{ background-color: rgb(224, 24,  
54) }
```

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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