

Converting Colors

CIELCh(29, 47.853, 34.641)

Have a look what the booklet for
CIELCh(29, 47.853, 34.641) contains.

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Color

CIELCh(29, 48.070, 34.984)

Conversions

Conversions Part 1

Format	Color
Hex	80231C
RGB	128, 35, 28
RGB Percent	50%, 14%, 11%
CMY	0.4991, 0.8637, 0.8910
CMYK	0.00, 0.73, 0.78, 0.50
HSL	4°, 64%, 30%
HSV	4°, 78%, 50%
XYZ	9.6616, 5.8380, 1.7039
YIQ	62.0090, 57.6750, 17.5390

Conversions

Conversions Part 2

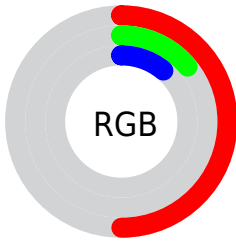
Format	Color
R_{YB}	128, 36, 28
Decimal	8397596
CIE _{Lab}	29.00, 39.38, 27.56
CIE _{LCh}	29, 48.070, 34.984
Yxy	5.8380, 0.5616, 0.3393
Android (android.graphics.Color)	4286587676 (0xFF80231C)
YUV	62.0090, -16.7664, 57.8741
Hunter-Lab	24.1619, 29.0935, 12.7323

Details

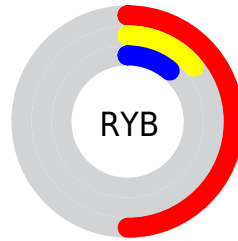
The CIELCh color **29, 48.070, 34.984** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **46, 25.880, 206.081**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 48.375, 34.952**, and **12, 36.694, 29.688** is the 20% darker color. If you saturate the color by 10%, you get **27, 54.537, 37.529**, and if you desaturate by 10%, it is **31, 41.161, 32.627**.

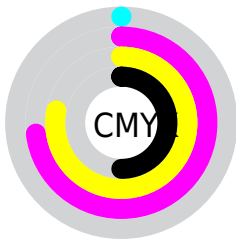
Distribution



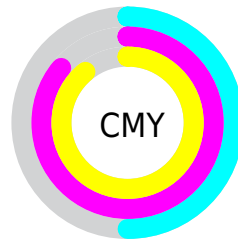
- Red (50%)
- Green (14%)
- Blue (11%)



- Red (50%)
- Yellow (14%)
- Blue (11%)



- Cyan (0%)
- Magenta (73%)
- Yellow (78%)
- Black (50%)



- Cyan (50%)
- Magenta (86%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 48.070, 34.984 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 29, 48.070, 34.984 by changing the saturation by 10% instead.

■ 29, 48.070, 34.984

■ 29, 48.070, 34.984

■ 100, 48.070,
34.984

■ 19, 48.070, 34.984

■ 49, 48.070, 34.984

■ 9, 48.070, 34.984

■ 59, 48.070, 34.984

■ 0, 48.070, 34.984

■ 69, 48.070, 34.984

■ 79, 48.070, 34.984

■ 89, 48.070, 34.984

■ 99, 48.070, 34.984

■ 29, 48.070, 34.984

■ 29, 48.070, 34.984

■ 27, 54.537, 37.529

■ 31, 41.161, 32.627

■ 26, 59.471, 39.372

■ 34, 34.215, 30.664

■ 26, 60.236, 39.739

■ 37, 27.449, 29.116

■ 40, 20.995, 27.929

■ 43, 14.925, 27.033

■ 47, 9.268, 26.358

■ 50, 4.023, 25.819

■ 54, 0.831, 206.052

■ 58, 5.326, 205.400

Harmonies

Complementary

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



29, 48.070, 34.984



46, 25.880, 206.081

Rectangle

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



29, 48.070, 34.984



29, 48.070, 84.984



29, 48.070, 214.984



29, 48.070, 264.984

Sweetspot

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



29, 48.068, 34.987



58, 14.773, 26.692



31, 59.907, 330.231



29, 10.431, 26.912



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



29, 48.068, 34.987



35, 71.144, 39.274



40, 40.639, 71.758



25, 2.760, 25.865



26, 60.146, 39.728



0, 0.000, 0.000

Inverse Universe

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



46, 25.880, 206.081



58, 33.011, 207.545



30, 36.853, 280.193



26, 2.609, 205.453



45, 27.505, 207.865



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 29, 48.070, 34.984 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 29, 48.070, 34.984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 29, 48.070, 34.984

Background



This preview shows how black text looks on a background with the CIELCh color 29, 48.070, 34.984.

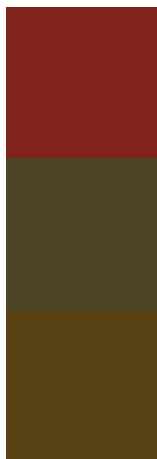


This preview shows how white text looks on a background with the CIELCh color 29, 48.070, 34.984.

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

29, 48.070, 34.984

Protanopia

30, 20.411, 96.293

Deuteranopia

29, 30.706, 82.145



Tritanopia
29, 46.326, 29.976

Trichromacy



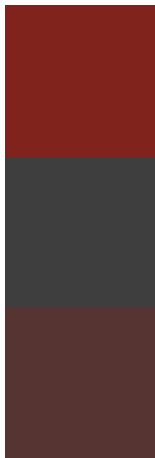
Original Color
29, 48.070, 34.984

Protanomaly
28, 25.604, 56.015

Deuteranomaly
28, 33.649, 57.505

Tritanomaly
29, 47.145, 32.009

Monochromacy



Original Color
29, 48.070, 34.984

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 16.897, 27.039

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 48.070, 34.984 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(128, 35, 28)` looks like.

```
.text, #text, p{  
    color:rgb(128, 35, 28)  
}
```

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(128, 35, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 35, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 48.070, 34.984 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(128, 35, 28) }
```

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

```
.border{ border-color:rgb(128, 35, 28) }
```

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

Here you see how a box with a 4 pixel rgb(128, 35, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 35, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 35, 28);  
box-shadow:4px 4px 4px 4px rgb(128, 35,  
28) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 48.070, 34.984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 35, 28) }
```

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

```
.background{ background-color: rgb(128, 35,  
28) }
```

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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