

Converting Colors

CIELCh(29, 48.019, 10.624)

Have a look what the booklet for
CIELCh(29, 48.019, 10.624) contains.

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Color

CIELCh(29, 48.071, 10.596)

Conversions

Conversions Part 1

Format	Color
Hex	851639
RGB	133, 22, 57
RGB Percent	52%, 9%, 22%
CMY	0.4789, 0.9143, 0.7769
CMYK	0.00, 0.84, 0.57, 0.48
HSL	341°, 72%, 30%
HSV	341°, 84%, 52%
XYZ	10.6721, 5.8380, 4.4221
YIQ	59.1790, 54.9210, 34.4170

Conversions

Conversions Part 2

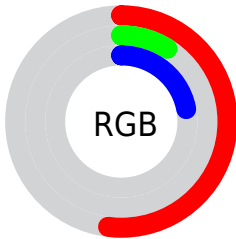
Format	Color
R_{YB}	133, 22, 57
Decimal	8721977
CIE _{Lab}	29.00, 47.25, 8.84
CIE _{LCh}	29, 48.071, 10.596
Yxy	5.8380, 0.5098, 0.2789
Android (android.graphics.Color)	4286912057 (0xFF851639)
YUV	59.1790, -1.0742, 64.7410
Hunter-Lab	24.1619, 36.5586, 6.0622

Details

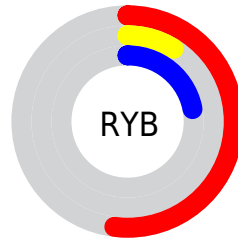
The CIELCh color **29, 48.071, 10.596** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **49, 39.772, 164.466**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 48.025, 10.453**, and **13, 37.294, 23.534** is the 20% darker color. If you saturate the color by 10%, you get **28, 51.260, 15.035**, and if you desaturate by 10%, it is **31, 43.903, 7.008**.

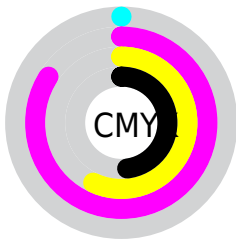
Distribution



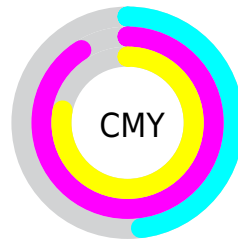
- Red (52%)
- Green (9%)
- Blue (22%)



- Red (52%)
- Yellow (9%)
- Blue (22%)



- Cyan (0%)
- Magenta (84%)
- Yellow (57%)
- Black (48%)



- Cyan (48%)
- Magenta (91%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 29, 48.071, 10.596 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, 48.071, 10.596 by changing the saturation by 10% instead.

■ 29, 48.071, 10.596

■ 29, 48.071, 10.596

■ 100, 48.071,
10.596

■ 19, 48.071, 10.596

■ 49, 48.071, 10.596

■ 9, 48.071, 10.596

■ 59, 48.071, 10.596

■ 0, 48.071, 10.596

■ 69, 48.071, 10.596

■ 79, 48.071, 10.596

■ 89, 48.071, 10.596

■ 99, 48.071, 10.596

■ 29, 48.071, 10.596

■ 29, 48.071, 10.596

28, 51.260, 15.035

31, 43.903, 7.008

27, 53.248, 17.975

33, 38.828, 4.152

36, 33.071, 1.873

39, 26.905, 0.029

43, 20.571,
358.506

46, 14.251,
357.220

50, 8.063, 356.106

54, 2.077, 355.026

58, 3.673, 174.445

Harmonies

Complementary

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



29, 48.071, 10.596



49, 39.772, 164.466

Rectangle

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



29, 48.071, 10.596



29, 48.071, 60.596



29, 48.071, 190.596



29, 48.071, 240.596

Sweetspot

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



29, 48.069, 10.598



59, 18.855, 357.463



26, 67.573, 317.680



29, 12.863, 357.836



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



29, 48.069, 10.598



36, 65.109, 19.388



31, 50.476, 41.522



26, 3.321, 355.645



26, 52.401, 17.846



0, 0.782, 354.876

Inverse Universe

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



29, 48.069, 10.598



36, 65.109, 19.388



44, 25.548, 226.121



26, 3.321, 355.645



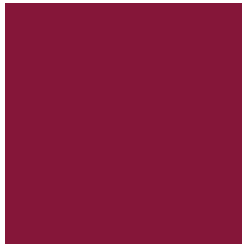
26, 52.401, 17.846



0, 0.782, 354.876

Previews

White Background



This preview shows how the CIELCh color 29, 48.071, 10.596 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 CIE LCh color 29, 48.071, 10.596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

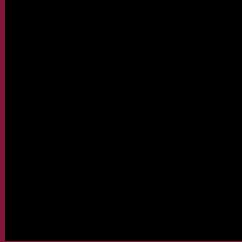
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 29, 48.071, 10.596

Background



This preview shows how black text looks on a background with the CIELCh color 29, 48.071, 10.596.



This preview shows how white text looks on a background with the CIELCh color 29, 48.071, 10.596.

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, 48.071, 10.596

Protanopia

30, 5.777, 287.102

Deuteranopia

30, 12.491, 69.503



Tritanopia
29, 50.420, 31.993

Trichromacy



Original Color
29, 48.071, 10.596

Protanomaly
27, 21.272, 349.162

Deuteranomaly
28, 24.187, 20.019

Tritanomaly
29, 48.625, 24.374

Monochromacy



Original Color
29, 48.071, 10.596

Achromatopsia
25, 0.004, 296.813

Achromatomaly
24, 20.604, 0.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 48.071, 10.596 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(133, 22, 57)` looks like.

```
.text, #text, p{  
    color:rgb(133, 22, 57)  
}
```

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(133, 22, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 22, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 48.071, 10.596 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(133, 22, 57) }
```

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

```
.border{ border-color:rgb(133, 22, 57) }
```

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

Here you see how a box with a 4 pixel rgb(133, 22, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 22, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 22, 57);  
box-shadow:4px 4px 4px 4px rgb(133, 22,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 29, 48.071, 10.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 22, 57) }
```

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

```
.background{ background-color: rgb(133, 22,  
57) }
```

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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