

Converting Colors

CIELCh(28, 47.059, 14.770)

Have a look what the booklet for
CIELCh(28, 47.059, 14.770) contains.

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Color

CIELCh(28, 47.124, 14.787)

Conversions

Conversions Part 1

Format	Color
Hex	811632
RGB	129, 22, 50
RGB Percent	51%, 9%, 20%
CMY	0.4945, 0.9142, 0.8042
CMYK	0.00, 0.83, 0.61, 0.49
HSL	344°, 71%, 30%
HSV	344°, 83%, 51%
XYZ	9.8956, 5.4574, 3.5403
YIQ	57.1850, 54.7840, 31.3920

Conversions

Conversions Part 2

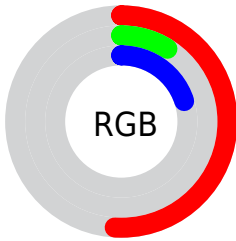
Format	Color
R_{YB}	129, 22, 50
Decimal	8459826
CIE Lab	28.00, 45.56, 12.03
CIE LCh	28, 47.124, 14.787
Yxy	5.4574, 0.5238, 0.2889
Android (android.graphics.Color)	4286649906 (0xFF811632)
YUV	57.1850, -3.5422, 62.9818
Hunter-Lab	23.3610, 34.7299, 7.3674

Details

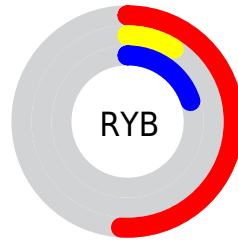
The CIELCh color **28, 47.124, 14.787** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **48, 36.511, 168.773**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 47.113, 14.805**, and **12, 37.139, 28.642** is the 20% darker color. If you saturate the color by 10%, you get **27, 50.783, 19.339**, and if you desaturate by 10%, it is **30, 42.637, 11.069**.

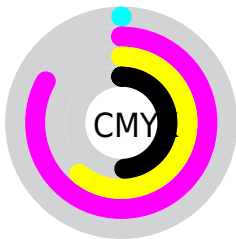
Distribution



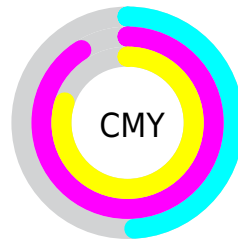
- Red (51%)
- Green (9%)
- Blue (20%)



- Red (51%)
- Yellow (9%)
- Blue (20%)



- Cyan (0%)
- Magenta (83%)
- Yellow (61%)
- Black (49%)



- Cyan (49%)
- Magenta (91%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 47.124, 14.787 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 28, 47.124, 14.787 by changing the saturation by 10% instead.

■ 28, 47.124, 14.787

■ 28, 47.124, 14.787

■ 100, 47.124,
14.787

■ 18, 47.124, 14.787

■ 48, 47.124, 14.787

■ 8, 47.124, 14.787

■ 58, 47.124, 14.787

■ 0, 47.124, 14.787

■ 68, 47.124, 14.787

■ 78, 47.124, 14.787

■ 88, 47.124, 14.787

■ 98, 47.124, 14.787

■ 28, 47.124, 14.787

■ 28, 47.124, 14.787

27, 50.783, 19.339

30, 42.637, 11.069

26, 53.291, 22.550

32, 37.399, 8.097

35, 31.617, 5.728

38, 25.535, 3.820

42, 19.370, 2.256

45, 13.278, 0.947

49, 7.361, 359.820

53, 1.673, 358.702

57, 3.760, 178.172

Harmonies

Complementary

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



28, 47.124, 14.787



48, 36.511, 168.773

Rectangle

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



28, 47.124, 14.787



28, 47.124, 64.787



28, 47.124, 194.787



28, 47.124, 244.787

Sweetspot

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



28, 47.122, 14.789



57, 18.016, 1.263



26, 65.494, 319.224



28, 12.296, 1.639



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



28, 47.122, 14.789



35, 65.342, 24.021



31, 47.625, 44.302



25, 3.130, 359.407



26, 52.854, 22.482



0, 0.000, 0.000

Inverse Universe

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



28, 47.122, 14.789



35, 65.342, 24.021



41, 25.073, 235.182



25, 3.130, 359.407



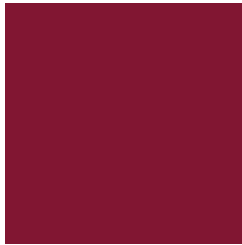
26, 52.854, 22.482



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 28, 47.124, 14.787 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 28, 47.124, 14.787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

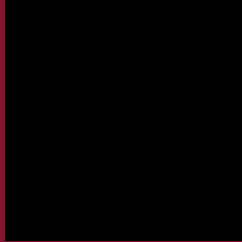
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 47.124, 14.787

Background



This preview shows how black text looks on a background with the CIELCh color 28, 47.124, 14.787.



This preview shows how white text looks on a background with the CIELCh color 28, 47.124, 14.787.

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

28, 47.124, 14.787

Protanopia

29, 1.369, 309.138

Deuteranopia

29, 15.559, 74.339



Tritanopia
28, 49.720, 32.201

Trichromacy



Original Color
28, 47.124, 14.787

Protanomaly
27, 19.775, 0.916

Deuteranomaly
27, 25.072, 27.393

Tritanomaly
28, 48.086, 26.217

Monochromacy



Original Color
28, 47.124, 14.787

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 19.406, 4.505

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 47.124, 14.787 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(129, 22, 50)` looks like.

```
.text, #text, p{  
    color:rgb(129, 22, 50)  
}
```

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(129, 22, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 22, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 47.124, 14.787 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(129, 22, 50) }
```

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

```
.border{ border-color:rgb(129, 22, 50) }
```

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

Here you see how a box with a 4 pixel rgb(129, 22, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 22, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 22, 50);  
box-shadow:4px 4px 4px 4px rgb(129, 22,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 47.124, 14.787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 22, 50) }
```

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

```
.background{ background-color: rgb(129, 22,  
50) }
```

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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