

Converting Colors

CIELCh(28, 48.767, 0.915)

Have a look what the booklet for
CIELCh(28, 48.767, 0.915) contains.

CIELCh(28, 48.744, 0.401)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(28, 48.744, 0.401)

Conversions

Conversions Part 1

Format	Color
Hex	811043
RGB	129, 16, 67
RGB Percent	51%, 6%, 26%
CMY	0.4928, 0.9392, 0.7362
CMYK	0.00, 0.88, 0.48, 0.49
HSL	333°, 79%, 28%
HSV	333°, 88%, 51%
XYZ	10.3023, 5.4574, 5.8624
YIQ	55.6010, 50.9770, 39.8170

Conversions

Conversions Part 2

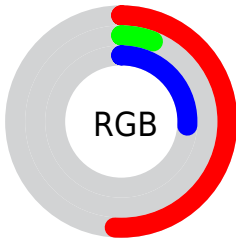
Format	Color
RYB	129, 16, 67
Decimal	8458307
CIELab	28.00, 48.74, 0.34
CIElCh	28, 48.744, 0.401
Yxy	5.4574, 0.4765, 0.2524
Android (android.graphics.Color)	4286648387 (0xFF811043)
YUV	55.6010, 5.6197, 64.3709
Hunter-Lab	23.3610, 37.8377, 1.4741

Details

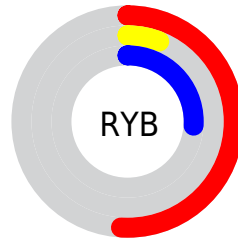
The CIELCh color **28, 48.744, 0.401** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **48, 46.650, 154.724**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 48.599, 0.266**, and **13, 34.690, 11.565** is the 20% darker color. If you saturate the color by 10%, you get **27, 50.649, 4.080**, and if you desaturate by 10%, it is **30, 45.831, 357.324**.

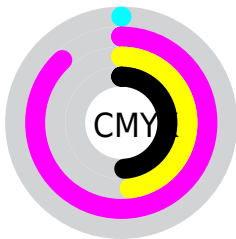
Distribution



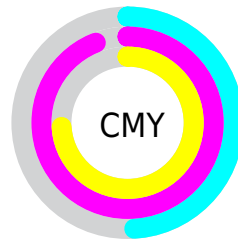
- Red (51%)
- Green (6%)
- Blue (26%)



- Red (51%)
- Yellow (6%)
- Blue (26%)



- Cyan (0%)
- Magenta (88%)
- Yellow (48%)
- Black (49%)



- Cyan (49%)
- Magenta (94%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 48.744, 0.401 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, 48.744, 0.401 by changing the saturation by 10% instead.

 28, 48.744, 0.401  28, 48.744, 0.401

 100, 48.744, 0.401  18, 48.744, 0.401

 48, 48.744, 0.401  8, 48.744, 0.401


 58, 48.744, 0.401  0, 48.744, 0.401

 68, 48.744, 0.401

 78, 48.744, 0.401

 88, 48.744, 0.401

 98, 48.744, 0.401

 28, 48.744, 0.401  28, 48.744, 0.401

 27, 50.649, 4.080  30, 45.831,

■ 27, 51.051, 4.806

357.324

■ 32, 41.682,
354.875

■ 34, 36.520,
352.903

■ 37, 30.648,
351.283

■ 40, 24.358,
349.920

■ 44, 17.883,
348.747

■ 47, 11.395,
347.714

■ 51, 5.004, 346.770

■ 55, 1.224, 166.262

Harmonies

Complementary

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



28, 48.744, 0.401



48, 46.650, 154.724

Rectangle

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



28, 48.744, 0.401



28, 48.744, 50.401



28, 48.744, 180.401



28, 48.744, 230.401

Sweetspot

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



28, 48.741, 0.402



57, 20.573, 348.595



22, 69.451, 313.364



28, 13.907, 348.907



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, 48.741, 0.402



36, 61.849, 5.992



27, 55.688, 36.451



25, 3.488, 346.871



26, 50.532, 4.735



0, 0.000, 0.000

Inverse Universe

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



28, 48.741, 0.402



36, 61.849, 5.992



48, 28.209, 201.186



25, 3.488, 346.871



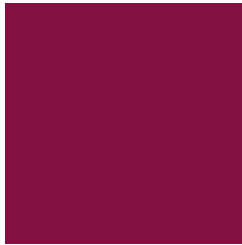
26, 50.532, 4.735



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 28, 48.744, 0.401 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, 48.744, 0.401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

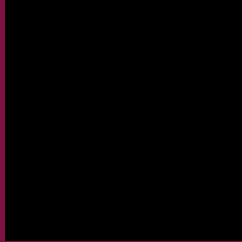
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 48.744, 0.401

Background



This preview shows how black text looks on a background with the CIELCh color 28, 48.744, 0.401.



This preview shows how white text looks on a background with the CIELCh color 28, 48.744, 0.401.

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, 48.521, 0.537

Protanopia

29, 18.132, 285.418

Deuteranopia

29, 5.735, 46.570



Tritanopia
28, 48.254, 31.599

Trichromacy



Original Color
28, 48.521, 0.537

Protanomaly
26, 28.058, 326.565

Deuteranomaly
27, 23.789, 359.578

Tritanomaly
28, 46.755, 20.004

Monochromacy



Original Color
28, 48.521, 0.537

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 21.778, 352.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 48.744, 0.401 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, 16, 67)` looks like.

```
.text, #text, p{  
    color:rgb(129, 16, 67)  
}
```

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, 16, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 16, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 48.744, 0.401 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, 16, 67) }
```

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

```
.border{ border-color:rgb(129, 16, 67) }
```

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

Here you see how a box with a 4 pixel rgb(129, 16, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 16, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 16, 67);  
box-shadow:4px 4px 4px 4px rgb(129, 16,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 48.744, 0.401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 16, 67) }
```

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

```
.background{ background-color: rgb(129, 16,  
67) }
```

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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