

Converting Colors

CIELCh(28, 49.251, 351.853)

Have a look what the booklet for
CIELCh(28, 49.251, 351.853)
contains.

CIELCh(28, 49.358, 351.985)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(28, 49.358, 351.985)

Conversions

Conversions Part 1

Format	Color
Hex	7F114E
RGB	127, 17, 78
RGB Percent	50%, 7%, 31%
CMY	0.5021, 0.9335, 0.6943
CMYK	0.00, 0.87, 0.39, 0.50
HSL	327°, 76%, 28%
HSV	327°, 87%, 50%
XYZ	10.3196, 5.4574, 7.7105
YIQ	56.8440, 45.9790, 42.2910

Conversions

Conversions Part 2

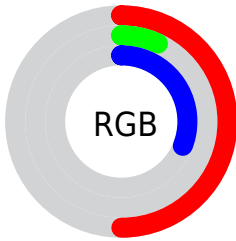
Format	Color
R_{YB}	127, 17, 78
Decimal	8327502
CIE _{Lab}	28.00, 48.88, -6.88
CIE _{LCh}	28, 49.358, 351.985
Yxy	5.4574, 0.4394, 0.2324
Android (android.graphics.Color)	4286517582 (0xFF7F114E)
YUV	56.8440, 10.4299, 61.5268
Hunter-Lab	23.3610, 37.9696, -3.2164

Details

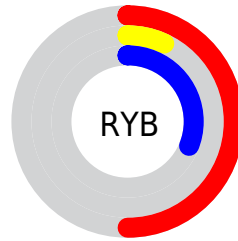
The CIELCh color **28, 49.358, 351.985** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **47, 50.189, 149.978**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 49.400, 352.171**, and **13, 34.471, 0.315** is the 20% darker color. If you saturate the color by 10%, you get **27, 50.944, 354.734**, and if you desaturate by 10%, it is **30, 46.500, 349.721**.

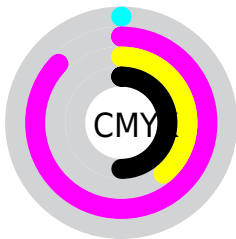
Distribution



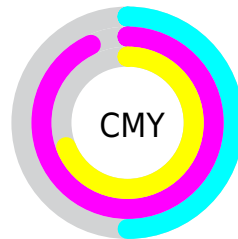
- Red (50%)
- Green (7%)
- Blue (31%)



- Red (50%)
- Yellow (7%)
- Blue (31%)



- Cyan (0%)
- Magenta (87%)
- Yellow (39%)
- Black (50%)





- Cyan (50%)
- Magenta (93%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 49.358, 351.985 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, 49.358, 351.985 by changing the saturation by 10% instead.

 28, 49.358,
351.985

 28, 49.358,
351.985

 100, 49.358,
351.985

 18, 49.358,
351.985

 48, 49.358,
351.985

 8, 49.358, 351.985

 58, 49.358,
351.985

 0, 49.358, 351.985

 68, 49.358,
351.985

 78, 49.358,
351.985

 88, 49.358,
351.985

 98, 49.358,

351.985

■ 28, 49.358,
351.985

■ 28, 49.358,
351.985

■ 27, 50.944,
354.734

■ 30, 46.500,
349.721

■ 27, 51.459,
355.664

■ 32, 42.304,
347.887

■ 34, 37.033,
346.373

■ 37, 31.005,
345.091

■ 40, 24.519,
343.978

■ 44, 17.813,
342.991

■ 47, 11.060,
342.099

■ 51, 4.376, 341.256

■ 54, 2.168, 160.709

Harmonies

Complementary

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



28, 49.358, 351.985



47, 50.189, 149.978

Rectangle

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



28, 49.358, 351.985



28, 49.358, 41.985



28, 49.358, 171.985



28, 49.358, 221.985

Sweetspot

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



28, 49.356, 351.986



56, 21.610, 342.989



20, 68.681, 310.949



28, 14.777, 343.262



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, 49.356, 351.986



36, 62.281, 356.589



27, 52.523, 31.138



25, 3.730, 341.464



27, 51.613, 355.680



0, 0.000, 0.000

Inverse Universe

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



28, 49.356, 351.986



36, 62.281, 356.589



48, 30.277, 187.992



25, 3.730, 341.464



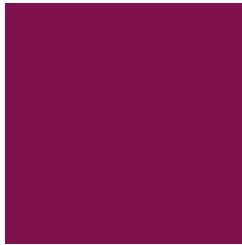
27, 51.613, 355.680



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 28, 49.358, 351.985 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, 49.358, 351.985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

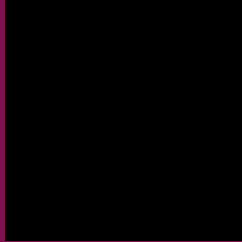
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 49.358, 351.985

Background



This preview shows how black text looks on a background with the CIELCh color 28, 49.358, 351.985.



This preview shows how white text looks on a background with the CIELCh color 28, 49.358, 351.985.

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, 49.358, 351.985

Protanopia
29, 27.199, 284.946

Deuteranopia
29, 5.477, 324.888



Tritanopia
28, 44.555, 29.598

Trichromacy



Original Color
28, 49.358, 351.985

Protanomaly
26, 33.683, 314.946

Deuteranomaly
27, 25.579, 342.625

Tritanomaly
28, 43.885, 14.603

Monochromacy



Original Color
28, 49.358, 351.985

Achromatopsia
24, 0.004, 296.813

Achromatomaly
23, 22.896, 343.919

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 49.358, 351.985 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(127, 17, 78)` looks like.

```
.text, #text, p{  
    color:rgb(127, 17, 78)  
}
```

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(127, 17, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 17, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 49.358, 351.985 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(127, 17, 78) }
```

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

```
.border{ border-color:rgb(127, 17, 78) }
```

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

Here you see how a box with a 4 pixel rgb(127, 17, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 17, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 17, 78);  
box-shadow:4px 4px 4px 4px rgb(127, 17,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 49.358, 351.985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 17, 78) }
```

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

```
.background{ background-color: rgb(127, 17,  
78) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor