

Converting Colors

CIELCh(28, 52.478, 357.569)

Have a look what the booklet for
CIELCh(28, 52.478, 357.569)
contains.

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Color

CIELCh(28, 52.478, 357.847)

Conversions

Conversions Part 1

Format	Color
Hex	850247
RGB	133, 2, 71
RGB Percent	52%, 1%, 28%
CMY	0.4793, 0.9936, 0.7222
CMYK	0.00, 0.99, 0.47, 0.48
HSL	328°, 98%, 26%
HSV	328°, 99%, 52%
XYZ	10.7893, 5.4574, 6.4176
YIQ	49.0350, 55.9270, 49.2310

Conversions

Conversions Part 2

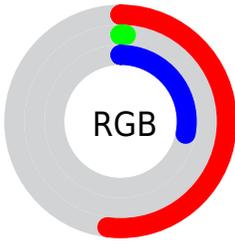
Format	Color
R_{YB}	133, 2, 71
Decimal	8716871
CIE _{Lab}	28.00, 52.44, -1.97
CIE _{LCh}	28, 52.478, 357.847
Yxy	5.4574, 0.4760, 0.2408
Android (android.graphics.Color)	4286906951 (0xFF850247)
YUV	49.0350, 10.8287, 73.6373
Hunter-Lab	23.3610, 41.5582, 0.0650

Details

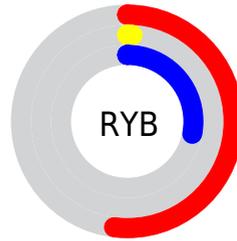
The CIELCh color **28, 52.478, 357.847** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **48, 55.170, 148.713**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 52.472, 358.119**, and **14, 35.536, 9.646** is the 20% darker color. If you saturate the color by 10%, you get **28, 52.673, 358.226**, and if you desaturate by 10%, it is **29, 50.944, 354.755**.

Distribution



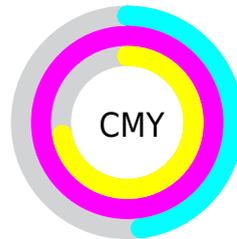
- Red (52%)
- Green (1%)
- Blue (28%)



- Red (52%)
- Yellow (1%)
- Blue (28%)



- Cyan (0%)
- Magenta (99%)
- Yellow (47%)
- Black (48%)



- Cyan (48%)
- Magenta (99%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 52.478, 357.847 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, 52.478, 357.847 by changing the saturation by 10% instead.

 28, 52.478,
357.847

 28, 52.478,
357.847

 100, 52.478,
357.847

 18, 52.478,
357.847

 48, 52.478,
357.847

 8, 52.478, 357.847

 58, 52.478,
357.847

 0, 52.478, 357.847

 68, 52.478,
357.847

 78, 52.478,
357.847

 88, 52.478,
357.847

 98, 52.478,

357.847

■ 28, 52.478,
357.847

■ 28, 52.478,
357.847

■ 28, 52.673,
358.226

■ 29, 50.944,
354.755

■ 30, 48.310,
352.147

■ 33, 44.271,
350.058

■ 35, 39.066,
348.355

■ 38, 33.022,
346.935

■ 41, 26.455,
345.720

■ 45, 19.626,
344.657

■ 48, 12.727,
343.706

■ 52, 5.889, 342.829

Harmonies

Complementary

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



28, 52.478, 357.847



48, 55.170, 148.713

Rectangle

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



28, 52.478, 357.847



28, 52.478, 47.847



28, 52.478, 177.847



28, 52.478, 227.847

Sweetspot

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



28, 52.475, 357.848



57, 25.464, 344.851



19, 76.587, 311.482



27, 17.306, 345.224



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



28, 52.475, 357.848



37, 63.858, 359.200



27, 61.627, 37.093



26, 3.784, 342.860



27, 51.898, 358.141



0, 0.897, 342.190

Inverse Universe

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



28, 52.475, 357.848



37, 63.858, 359.200



50, 31.574, 191.583



26, 3.784, 342.860



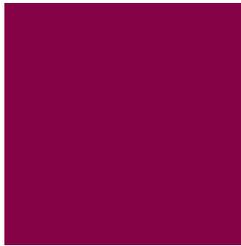
27, 51.898, 358.141



0, 0.897, 342.190

Previews

White Background



This preview shows how the CIELCh color 28, 52.478, 357.847 looks on a white background.

Color Contrast Check

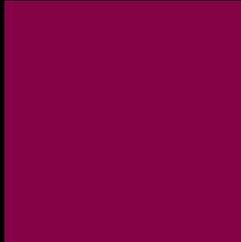
Large Text (above 18pt) WCAG AA ✓ Pass

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, 52.478, 357.847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

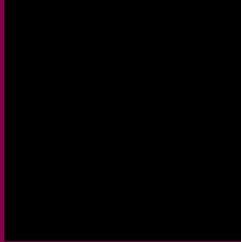
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

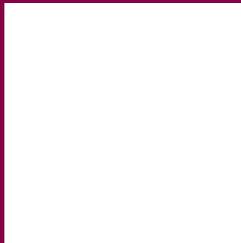
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 52.478, 357.847

Background



This preview shows how black text looks on a background with the CIELCh color 28, 52.478, 357.847.



This preview shows how white text looks on a background with the CIELCh color 28, 52.478, 357.847.

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, 52.478, 357.847

Protanopia
29, 21.971, 285.083

Deuteranopia
29, 5.214, 34.303



Tritanopia
29, 51.009, 32.431

Trichromacy



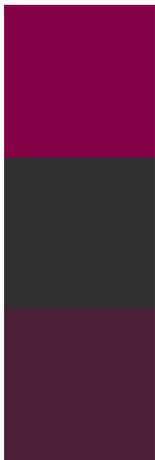
Original Color
28, 52.478, 357.847

Protanomaly
25, 33.965, 323.076

Deuteranomaly
26, 28.081, 353.504

Tritanomaly
28, 49.879, 19.129

Monochromacy



Original Color
28, 52.478, 357.847

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 26.007, 347.655

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 52.478, 357.847 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, 2, 71)` looks like.

```
.text, #text, p{  
    color:rgb(133, 2, 71)  
}
```

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, 2, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 2, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 52.478, 357.847 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, 2, 71) }
```

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

```
.border{ border-color:rgb(133, 2, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 2, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 2, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 2, 71);  
box-shadow:4px 4px 4px 4px rgb(133, 2, 71)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 52.478, 357.847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 2, 71) }
```

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

```
.background{ background-color: rgb(133, 2,  
71) }
```

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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