

Converting Colors

CIELCh(30, 47.428, 359.607)

Have a look what the booklet for
CIELCh(30, 47.428, 359.607)
contains.

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Color

CIELCh(30, 47.498, 359.294)

Conversions

Conversions Part 1

Format	Color
Hex	851A49
RGB	133, 26, 73
RGB Percent	52%, 10%, 29%
CMY	0.4776, 0.8971, 0.7131
CMYK	0.00, 0.80, 0.45, 0.48
HSL	334°, 67%, 31%
HSV	334°, 80%, 52%
XYZ	11.2880, 6.2359, 6.9413
YIQ	63.3510, 48.6850, 37.3010

Conversions

Conversions Part 2

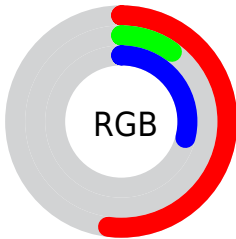
Format	Color
R_{YB}	133, 26, 73
Decimal	8723017
CIE Lab	30.00, 47.49, -0.59
CIE LCh	30, 47.498, 359.294
Yxy	6.2359, 0.4614, 0.2549
Android (android.graphics.Color)	4286913097 (0xFF851A49)
YUV	63.3510, 4.7570, 61.0822
Hunter-Lab	24.9718, 36.9866, 0.9998

Details

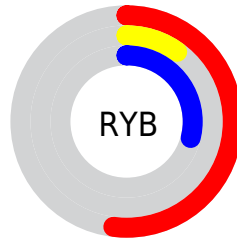
The CIELCh color **30, 47.498, 359.294** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **49, 44.166, 157.095**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 47.324, 359.588**, and **14, 35.799, 7.896** is the 20% darker color. If you saturate the color by 10%, you get **29, 50.212, 2.688**, and if you desaturate by 10%, it is **32, 43.508, 356.601**.

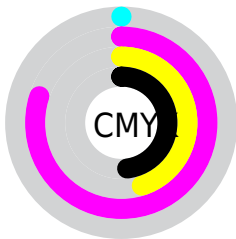
Distribution



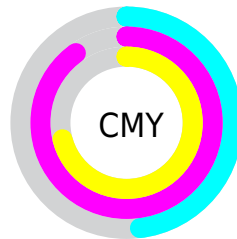
- Red (52%)
- Green (10%)
- Blue (29%)



- Red (52%)
- Yellow (10%)
- Blue (29%)



- Cyan (0%)
- Magenta (80%)
- Yellow (45%)
- Black (48%)




- Cyan (48%)
- Magenta (90%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 47.498, 359.294 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 30, 47.498, 359.294 by changing the saturation by 10% instead.


 30, 47.498,
359.294


 30, 47.498,
359.294

 100, 47.498,
359.294


 20, 47.498,
359.294


 50, 47.498,
359.294

 10, 47.498,
359.294

 60, 47.498,
359.294

 0, 47.498, 359.294

 70, 47.498,
359.294

 80, 47.498,
359.294

 90, 47.498,
359.294

■ 30, 47.498,
359.294

■ 30, 47.498,
359.294

■ 29, 50.212, 2.688

■ 32, 43.508,
356.601

■ 28, 52.122, 6.459

■ 34, 38.436,
354.446

■ 37, 32.578,
352.692

■ 41, 26.238,
351.231

■ 44, 19.672,
349.986

■ 48, 13.066,
348.900

■ 52, 6.547, 347.923

■ 56, 0.189, 345.439

Harmonies

Complementary

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



30, 47.498, 359.294



49, 44.166, 157.095

Rectangle

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



30, 47.498, 359.294



30, 47.498, 49.294



30, 47.498, 179.294



30, 47.498, 229.294

Sweetspot

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



30, 47.495, 359.295



60, 19.248, 349.345



25, 66.635, 313.896



29, 13.200, 349.679



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



30, 47.495, 359.295



37, 62.473, 5.921



30, 51.679, 34.814



26, 3.568, 347.812



27, 51.227, 6.337



0, 0.844, 347.089

Inverse Universe

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



30, 47.495, 359.295



37, 62.473, 5.921



49, 27.521, 203.344



26, 3.568, 347.812



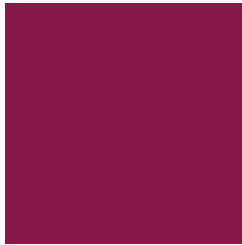
27, 51.227, 6.337



0, 0.844, 347.089

Previews

White Background



This preview shows how the CIE LCh color 30, 47.498, 359.294 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 30, 47.498, 359.294 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 30, 47.498, 359.294

Background



This preview shows how black text looks on a background with the CIELCh color 30, 47.498, 359.294.



This preview shows how white text looks on a background with the CIELCh color 30, 47.498, 359.294.

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

30, 47.498, 359.294

Protanopia

31, 18.593, 285.624

Deuteranopia

31, 5.170, 34.294



Tritanopia
30, 46.070, 29.493

Trichromacy



Original Color
30, 47.498, 359.294

Protanomaly
28, 26.211, 325.537

Deuteranomaly
29, 22.747, 357.930

Tritanomaly
30, 45.123, 18.195

Monochromacy



Original Color
30, 47.498, 359.294

Achromatopsia
27, 0.004, 296.813

Achromatomaly
26, 20.443, 351.619

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 47.498, 359.294 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, 26, 73)` looks like.

```
.text, #text, p{  
    color:rgb(133, 26, 73)  
}
```

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, 26, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 26, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 47.498, 359.294 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, 26, 73) }
```

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

```
.border{ border-color:rgb(133, 26, 73) }
```

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

Here you see how a box with a 4 pixel rgb(133, 26, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 26, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 26, 73);  
box-shadow:4px 4px 4px 4px rgb(133, 26,  
73) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 47.498, 359.294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 26, 73) }
```

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

```
.background{ background-color: rgb(133, 26,  
73) }
```

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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