

Converting Colors

CIELCh(30, 51.047, 341.837)

Have a look what the booklet for
CIELCh(30, 51.047, 341.837)
contains.

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Color

CIELCh(30, 51.031, 342.015)

Conversions

Conversions Part 1

Format	Color
Hex	801B60
RGB	128, 27, 96
RGB Percent	50%, 11%, 38%
CMY	0.4976, 0.8935, 0.6231
CMYK	0.00, 0.79, 0.25, 0.50
HSL	319°, 65%, 30%
HSV	319°, 79%, 50%
XYZ	11.4323, 6.2359, 11.6939
YIQ	65.0650, 38.0470, 42.8710

Conversions

Conversions Part 2

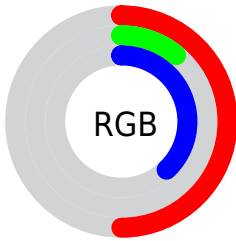
Format	Color
R_{YB}	128, 27, 96
Decimal	8395616
CIE _{Lab}	30.00, 48.54, -15.76
CIE _{LCh}	30, 51.031, 342.015
Yxy	6.2359, 0.3894, 0.2124
Android (android.graphics.Color)	4286585696 (0xFF801B60)
YUV	65.0650, 15.2510, 55.1940
Hunter-Lab	24.9718, 38.0183, -10.2844

Details

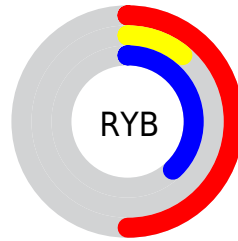
The CIELCh color **30, 51.031, 342.015** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **47, 52.731, 146.168**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 51.426, 341.826**, and **14, 38.057, 345.042** is the 20% darker color. If you saturate the color by 10%, you get **29, 53.610, 343.514**, and if you desaturate by 10%, it is **32, 46.933, 340.754**.

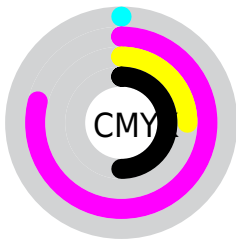
Distribution



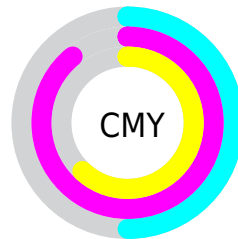
- Red (50%)
- Green (11%)
- Blue (38%)



- Red (50%)
- Yellow (11%)
- Blue (38%)



- Cyan (0%)
- Magenta (79%)
- Yellow (25%)
- Black (50%)





- Cyan (50%)
- Magenta (89%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 51.031, 342.015 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, 51.031, 342.015 by changing the saturation by 10% instead.


 30, 51.031,
342.015


 30, 51.031,
342.015

 100, 51.031,
342.015


 20, 51.031,
342.015


 50, 51.031,
342.015


 10, 51.031,
342.015

 60, 51.031,
342.015

 0, 51.031, 342.015

 70, 51.031,
342.015

 80, 51.031,
342.015

 90, 51.031,
342.015

■ 30, 51.031,
342.015

■ 30, 51.031,
342.015

■ 29, 53.610,
343.514

■ 32, 46.933,
340.754

■ 28, 54.986,
345.235

■ 34, 41.576,
339.663

■ 28, 55.152,
345.439

■ 37, 35.286,
338.696

■ 40, 28.385,
337.819

■ 43, 21.144,
337.010

■ 47, 13.770,
336.254

■ 50, 6.406, 335.531

■ 54, 0.853, 155.200

Harmonies

Complementary

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



30, 51.031, 342.015



47, 52.731, 146.168

Rectangle

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



30, 51.031, 342.015



30, 51.031, 32.015



30, 51.031, 162.015



30, 51.031, 212.015

Sweetspot

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



30, 51.029, 342.015



57, 21.734, 336.682



21, 64.972, 308.169



28, 15.054, 336.914



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



30, 51.029, 342.015



37, 65.831, 345.004



28, 45.986, 19.434



25, 4.084, 335.551



27, 54.963, 345.428



0, 0.000, 0.000

Inverse Universe

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



30, 51.029, 342.015



37, 65.831, 345.004



48, 32.535, 176.364



25, 4.084, 335.551



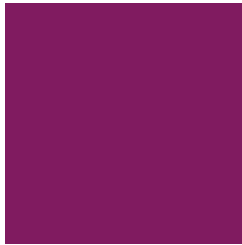
27, 54.963, 345.428



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 30, 51.031, 342.015 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, 51.031, 342.015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

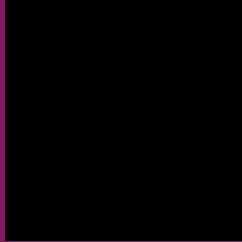
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 51.031, 342.015

Background



This preview shows how black text looks on a background with the CIELCh color 30, 51.031, 342.015.



This preview shows how white text looks on a background with the CIELCh color 30, 51.031, 342.015.

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





Tritanopia
30, 38.747, 25.402

Trichromacy



Original Color
30, 51.031, 342.015

Protanomaly
28, 41.181, 306.684

Deuteranomaly
29, 28.089, 324.925

Tritanomaly
30, 39.966, 6.099

Monochromacy



Original Color
30, 51.031, 342.015

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 22.438, 338.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 51.031, 342.015 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(128, 27, 96)` looks like.

```
.text, #text, p{  
    color:rgb(128, 27, 96)  
}
```

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(128, 27, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 27, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 51.031, 342.015 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(128, 27, 96) }
```

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

```
.border{ border-color:rgb(128, 27, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 27, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 27, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 27, 96);  
box-shadow:4px 4px 4px 4px rgb(128, 27,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 51.031, 342.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 27, 96) }
```

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

```
.background{ background-color: rgb(128, 27,  
96) }
```

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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