

Converting Colors

CIELCh(31, 52.977, 304.451)

Have a look what the booklet for
CIELCh(31, 52.977, 304.451)
contains.

CIELCh(31, 52.613, 304.333)	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>	26

Color

CIELCh(31, 52.613, 304.333)

Conversions

Conversions Part 1

Format	Color
Hex	4E3B8E
RGB	78, 59, 142
RGB Percent	31%, 23%, 56%
CMY	0.6953, 0.7697, 0.4443
CMYK	0.45, 0.59, 0.00, 0.44
HSL	254°, 41%, 39%
HSV	254°, 59%, 56%
XYZ	9.5269, 6.6515, 26.2530
YIQ	74.1430, -15.3190, 29.8410

Conversions

Conversions Part 2

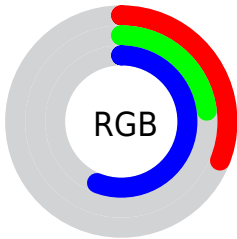
Format	Color
R_{YB}	78, 59, 142
Decimal	5127054
CIE _{Lab}	31.00, 29.67, -43.45
CIE _{LCh}	31, 52.613, 304.333
Yxy	6.6515, 0.2245, 0.1568
Android (android.graphics.Color)	4283317134 (0xFF4E3B8E)
YUV	74.1430, 33.4535, 3.3826
Hunter-Lab	25.7905, 20.8038, -42.2998

Details

The CIELCh color **31, 52.613, 304.333** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **56, 45.604, 115.599**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 52.399, 304.238**, and **11, 52.913, 304.413** is the 20% darker color. If you saturate the color by 10%, you get **27, 62.044, 305.452**, and if you desaturate by 10%, it is **36, 43.056, 303.220**.

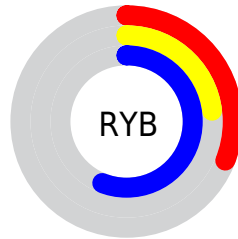
Distribution



Red (31%)

Green (23%)

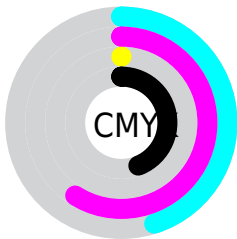
Blue (56%)



Red (31%)

Yellow (23%)

Blue (56%)

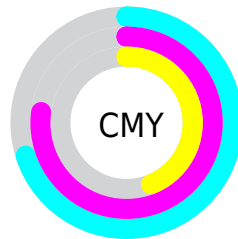


Cyan (45%)

Magenta (59%)

Yellow (0%)

Black (44%)



Cyan (70%)


Magenta (77%)


Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 52.613, 304.333 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 31, 52.613, 304.333 by changing the saturation by 10% instead.


 31, 52.613,
304.333


 31, 52.613,
304.333


 100, 52.613,
304.333


 21, 52.613,
304.333

 51, 52.613,
304.333


 11, 52.613,
304.333


 61, 52.613,
304.333

 1, 52.613, 304.333

 71, 52.613,
304.333

 0, 52.613, 304.333

 81, 52.613,
304.333

 91, 52.613,
304.333

■ 31, 52.613,
304.333

■ 31, 52.613,
304.333

■ 27, 62.044,
305.452

■ 36, 43.056,
303.220

■ 23, 70.849,
306.457

■ 40, 33.636,
302.174

■ 20, 78.219,
307.176

■ 45, 24.474,
301.226

■ 17, 83.769,
307.590

■ 50, 15.615,
300.384

■ 17, 84.592,
307.680

■ 55, 7.069, 299.643

■ 60, 1.171, 119.017

■ 64, 9.119, 118.446

■ 69, 16.791,
117.963

■ 74, 24.204,
117.546

Harmonies

Complementary

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



31, 52.613, 304.333



56, 45.604, 115.599

Rectangle

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



31, 52.613, 304.333



31, 52.613, 354.333



31, 52.613, 124.333



31, 52.613, 174.333

Sweetspot

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



31, 52.613, 304.334



64, 18.716, 300.370



49, 22.092, 226.525



32, 13.021, 300.578



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



31, 52.613, 304.334



34, 78.303, 305.764



36, 53.582, 318.540



28, 4.704, 299.688



16, 81.695, 307.714



0, 3.129, 299.088

Inverse Universe

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



38, 47.565, 335.574



46, 66.747, 336.655



53, 51.686, 133.301



28, 4.783, 332.082



30, 60.720, 339.576



1, 3.209, 331.544

Previews

White Background



This preview shows how the CIELCh color 31, 52.613, 304.333 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 31, 52.613, 304.333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

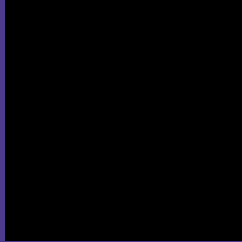
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 52.613, 304.333

Background



This preview shows how black text looks on a background with the CIELCh color 31, 52.613, 304.333.



This preview shows how white text looks on a background with the CIELCh color 31, 52.613, 304.333.

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



Trichromacy



Original Color
31, 52.613, 304.333

Protanomaly
30, 51.613, 290.250

Tritanomaly
31, 21.722, 293.082

Monochromacy



Original Color
31, 52.613, 304.333

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 20.051, 301.278

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 52.613, 304.333 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(78, 59, 142)` looks like.

```
.text, #text, p{  
    color:rgb(78, 59, 142)  
}
```

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(78, 59, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 59, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 52.613, 304.333 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(78, 59, 142) }
```

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

```
.border{ border-color:rgb(78, 59, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 59, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 59, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 59, 142);  
box-shadow:4px 4px 4px 4px rgb(78, 59,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 52.613, 304.333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 59, 142) }
```

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

```
.background{ background-color: rgb(78, 59,  
142) }
```

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