

Converting Colors

CIELCh(31, 50.679, 304.405)

Have a look what the booklet for
CIELCh(31, 50.679, 304.405)
contains.

CIELCh(31, 50.852, 304.447)	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, 50.852, 304.447)

Conversions

Conversions Part 1

Format	Color
Hex	4E3B8B
RGB	78, 59, 139
RGB Percent	31%, 23%, 55%
CMY	0.6931, 0.7678, 0.4539
CMYK	0.44, 0.57, 0.00, 0.45
HSL	254°, 40%, 39%
HSV	254°, 57%, 55%
XYZ	9.4154, 6.6515, 25.3083
YIQ	73.8010, -14.3560, 28.9080

Conversions

Conversions Part 2

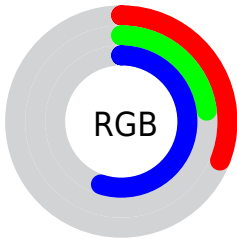
Format	Color
R_{YB}	78, 59, 139
Decimal	5127051
CIE _{Lab}	31.00, 28.76, -41.94
CIE _{LCh}	31, 50.852, 304.447
Yxy	6.6515, 0.2276, 0.1608
Android (android.graphics.Color)	4283317131 (0xFF4E3B8B)
YUV	73.8010, 32.1431, 3.6825
Hunter-Lab	25.7905, 20.0320, -40.1281

Details

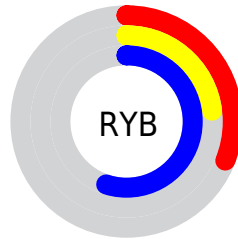
The CIELCh color $[31, 50.852, 304.447]$ is a dark color, and the websafe version is hex 333399 . A complement of this color would be $[55, 44.309, 116.060]$, and the grayscale version is $[31, 0.005, 296.813]$.

A 20% lighter version of the original color is $[51, 50.735, 304.436]$, and $[11, 51.084, 304.525]$ is the 20% darker color. If you saturate the color by 10%, you get $[27, 60.161, 305.535]$, and if you desaturate by 10%, it is $[36, 41.449, 303.370]$.

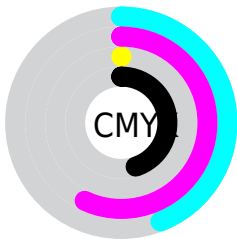
Distribution



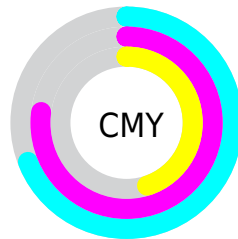
- Red (31%)
- Green (23%)
- Blue (55%)



- Red (31%)
- Yellow (23%)
- Blue (55%)



- Cyan (44%)
- Magenta (57%)
- Yellow (0%)
- Black (45%)



- Cyan (69%)
- Magenta (77%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 50.852, 304.447 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, 50.852, 304.447 by changing the saturation by 10% instead.

■ 31, 50.852,
304.447

■ 31, 50.852,
304.447

■ 100, 50.852,
304.447

■ 21, 50.852,
304.447

■ 51, 50.852,
304.447

■ 11, 50.852,
304.447

■ 61, 50.852,
304.447

■ 1, 50.852, 304.447

■ 71, 50.852,
304.447

■ 0, 50.852, 304.447

■ 81, 50.852,
304.447

■ 91, 50.852,
304.447

■ 31, 50.852,
304.447

■ 31, 50.852,
304.447

■ 27, 60.161,
305.535

■ 36, 41.449,
303.370

■ 23, 68.919,
306.524

■ 40, 32.192,
302.360

■ 20, 76.373,
307.250

■ 45, 23.191,
301.444

■ 17, 81.978,
307.643

■ 50, 14.487,
300.631

■ 16, 83.398,
307.789

■ 54, 6.089, 299.915

■ 59, 2.011, 119.305

■ 64, 9.826, 118.758

■ 68, 17.372,
118.290

■ 73, 24.665,
117.886

Harmonies

Complementary

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



31, 50.852, 304.447



55, 44.309, 116.060

Rectangle

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



31, 50.852, 304.447



31, 50.852, 354.447



31, 50.852, 124.447



31, 50.852, 174.447

Sweetspot

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



31, 50.852, 304.448



64, 17.459, 300.622



47, 21.483, 228.929



32, 11.806, 300.756



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, 50.852, 304.448



34, 76.271, 305.850



36, 52.023, 319.026



27, 4.568, 300.028



15, 80.450, 307.827



0, 2.088, 299.443

Inverse Universe

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



38, 45.908, 335.884



46, 65.000, 336.996



52, 50.371, 133.810



27, 4.609, 332.422



29, 59.517, 340.130



0, 2.125, 331.883

Previews

White Background



This preview shows how the CIELCh color 31, 50.852, 304.447 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, 50.852, 304.447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

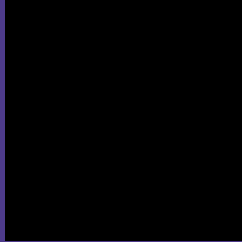
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 50.852, 304.447

Background



This preview shows how black text looks on a background with the CIELCh color 31, 50.852, 304.447.



This preview shows how white text looks on a background with the CIELCh color 31, 50.852, 304.447.

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, 50.852, 304.447

Protanomaly
30, 51.017, 290.015

Tritanomaly
31, 21.091, 293.922

Monochromacy



Original Color
31, 50.852, 304.447

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 18.757, 301.654

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 50.852, 304.447 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, 139)` looks like.

```
.text, #text, p{  
    color:rgb(78, 59, 139)  
}
```

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, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 59, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 50.852, 304.447 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, 139) }
```

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

```
.border{ border-color:rgb(78, 59, 139) }
```

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, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 59, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 59, 139);  
box-shadow:4px 4px 4px 4px rgb(78, 59,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 50.852, 304.447 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, 139) }
```

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

```
.background{ background-color: rgb(78, 59,  
139) }
```

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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