

Converting Colors

CIELCh(31, 80.207, 321.399)

Have a look what the booklet for
CIELCh(31, 80.207, 321.399)
contains.

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Color

CIELCh(31, 80.208, 321.400)

Conversions

Conversions Part 1

Format	Color
Hex	7D0099
RGB	125, 0, 153
RGB Percent	49%, 0%, 60%
CMY	0.5100, 1.0000, 0.4002
CMYK	0.18, 1.00, 0.00, 0.40
HSL	289°, 100%, 30%
HSV	289°, 100%, 60%
XYZ	14.1937, 6.6515, 30.6497
YIQ	54.8170, 25.3870, 74.0830

Conversions

Conversions Part 2

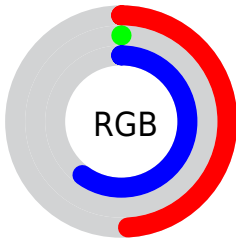
Format	Color
R_{YB}	125, 0, 153
Decimal	8192153
CIE _{Lab}	31.00, 62.68, -50.04
CIE _{LCh}	31, 80.208, 321.400
Yxy	6.6515, 0.2756, 0.1292
Android (android.graphics.Color)	4286382233 (0xFF7D0099)
YUV	54.8170, 48.4042, 61.5505
Hunter-Lab	25.7905, 53.1032, -52.4074

Details

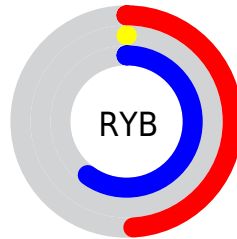
The CIELCh color **31, 80.208, 321.400** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **55, 80.358, 134.713**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 80.289, 321.529**, and **17, 60.572, 317.683** is the 20% darker color. If you saturate the color by 10%, you get **31, 80.188, 321.398**, and if you desaturate by 10%, it is **32, 77.349, 321.724**.

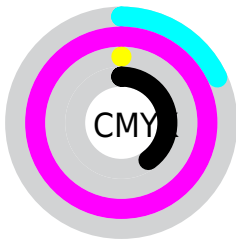
Distribution



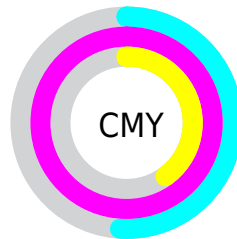
- Red (49%)
- Green (0%)
- Blue (60%)



- Red (49%)
- Yellow (0%)
- Blue (60%)



- Cyan (18%)
- Magenta (100%)
- Yellow (0%)
- Black (40%)



- Cyan (51%)
- Magenta (100%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 80.208, 321.400 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, 80.208, 321.400 by changing the saturation by 10% instead.

■ 31, 80.208,
321.400

■ 31, 80.208,
321.400

■ 100, 80.208,
321.400

■ 21, 80.208,
321.400

■ 51, 80.208,
321.400

■ 11, 80.208,
321.400

■ 61, 80.208,
321.400

■ 1, 80.208, 321.400

■ 71, 80.208,
321.400

■ 0, 80.208, 321.400

■ 81, 80.208,
321.400

■ 91, 80.208,
321.400

■ 31, 80.208,
321.400

■ 31, 80.208,
321.400

■ 31, 80.188,
321.398

■ 32, 77.349,
321.724

■ 34, 72.948,
321.896

■ 36, 66.643,
321.875

■ 39, 58.796,
321.700

■ 43, 49.845,
321.410

■ 46, 40.198,
321.042

■ 50, 30.185,
320.626

■ 55, 20.048,

320.186

■ 59, 9.953, 319.734

Harmonies

Complementary

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



31, 80.208, 321.400



55, 80.358, 134.713

Rectangle

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



31, 80.208, 321.400



31, 80.208, 11.400



31, 80.208, 141.400



31, 80.208, 191.400

Sweetspot

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



31, 80.188, 321.398



64, 37.394, 320.651



21, 80.328, 302.596



31, 25.448, 320.815



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



31, 80.188, 321.398



41, 97.451, 321.271



34, 62.551, 345.786



30, 5.623, 319.699



28, 75.257, 321.446



1, 6.008, 318.911

Inverse Universe

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



31, 63.665, 29.835



42, 78.153, 30.990



55, 71.025, 141.986



30, 3.536, 5.310



29, 59.524, 29.381



1, 3.729, 4.785

Previews

White Background



This preview shows how the CIELCh color 31, 80.208, 321.400 looks on a white background.

Color Contrast Check

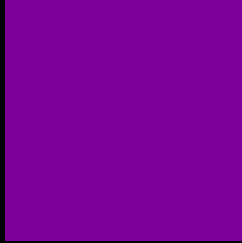
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 31, 80.208, 321.400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

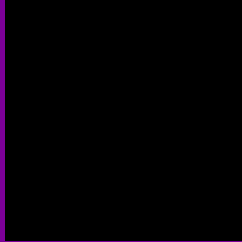
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 80.208, 321.400

Background



This preview shows how black text looks on a background with the CIELCh color 31, 80.208, 321.400.



This preview shows how white text looks on a background with the CIELCh color 31, 80.208, 321.400.

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

31, 80.208, 321.400

Protanopia

32, 52.016, 286.153

Deuteranopia

32, 38.143, 274.493



Tritanopia
32, 24.950, 18.496

Trichromacy



Original Color
31, 80.208, 321.400

Protanomaly
26, 68.860, 301.377

Deuteranomaly
26, 59.251, 299.322

Tritanomaly
29, 44.518, 337.953

Monochromacy



Original Color
31, 80.208, 321.400

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 39.461, 321.239

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 80.208, 321.400 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(125, 0, 153)` looks like.

```
.text, #text, p{  
    color:rgb(125, 0, 153)  
}
```

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(125, 0, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 0, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 80.208, 321.400 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(125, 0, 153) }
```

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

```
.border{ border-color:rgb(125, 0, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 0, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 0, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 0, 153);  
box-shadow:4px 4px 4px 4px rgb(125, 0,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 80.208, 321.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 0, 153) }
```

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

```
.background{ background-color: rgb(125, 0,  
153) }
```

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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