

Converting Colors

CIELCh(31, 63.955, 308.040)

Have a look what the booklet for
CIELCh(31, 63.955, 308.040)
contains.

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Color

CIELCh(31, 63.953, 308.066)

Conversions

Conversions Part 1

Format	Color
Hex	563399
RGB	86, 51, 153
RGB Percent	34%, 20%, 60%
CMY	0.6626, 0.7999, 0.3999
CMYK	0.44, 0.67, 0.00, 0.40
HSL	261°, 50%, 40%
HSV	261°, 67%, 60%
XYZ	10.7788, 6.6515, 30.8677
YIQ	73.0930, -11.8820, 39.1420

Conversions

Conversions Part 2

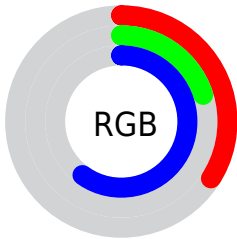
Format	Color
R_{YB}	86, 51, 153
Decimal	5649305
CIE _{Lab}	31.00, 39.43, -50.35
CIE _{LCh}	31, 63.953, 308.066
Yxy	6.6515, 0.2232, 0.1377
Android (android.graphics.Color)	4283839385 (0xFF563399)
YUV	73.0930, 39.3942, 11.3194
Hunter-Lab	25.7905, 29.4682, -52.9088

Details

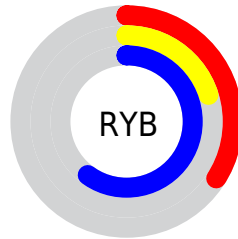
The CIELCh color **31, 63.953, 308.066** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **59, 55.414, 120.310**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 63.677, 308.090**, and **11, 63.987, 308.117** is the 20% darker color. If you saturate the color by 10%, you get **27, 73.007, 308.698**, and if you desaturate by 10%, it is **35, 54.187, 307.304**.

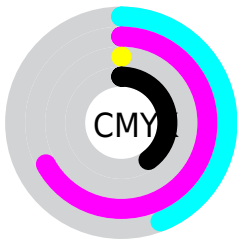
Distribution



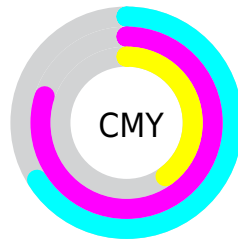
- Red (34%)
- Green (20%)
- Blue (60%)



- Red (34%)
- Yellow (20%)
- Blue (60%)



- Cyan (44%)
- Magenta (67%)
- Yellow (0%)
- Black (40%)





- Cyan (66%)
- Magenta (80%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 63.953, 308.066 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, 63.953, 308.066 by changing the saturation by 10% instead.


 31, 63.953,
308.066


 31, 63.953,
308.066

 100, 63.953,
308.066


 21, 63.953,
308.066

 51, 63.953,
308.066


 11, 63.953,
308.066


 61, 63.953,
308.066

 1, 63.953, 308.066

 71, 63.953,
308.066

 0, 63.953, 308.066

 81, 63.953,
308.066

 91, 63.953,
308.066

31, 63.953,
308.066

31, 63.953,
308.066

27, 73.007,
308.698

35, 54.187,
307.304

24, 80.617,
309.062

40, 44.198,
306.506

21, 86.119,
309.053

45, 34.266,
305.730

20, 87.862,
309.076

50, 24.539,
305.007

55, 15.085,
304.349

60, 5.930, 303.757

65, 2.920, 123.267

70, 11.474,
122.800

■ 75, 19.744,
122.403

Harmonies

Complementary

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



31, 63.953, 308.066



59, 55.414, 120.310

Rectangle

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



31, 63.953, 308.066



31, 63.953, 358.066



31, 63.953, 128.066



31, 63.953, 178.066

Sweetspot

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



31, 63.953, 308.067



68, 22.568, 304.587



47, 26.766, 247.318



34, 15.422, 304.756



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, 63.953, 308.067



34, 93.479, 308.921



38, 64.260, 322.347



30, 5.056, 303.904



18, 82.363, 309.153



1, 5.384, 303.199

Inverse Universe

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



39, 51.979, 342.037



47, 71.113, 344.201



56, 63.510, 135.658



30, 4.667, 336.689



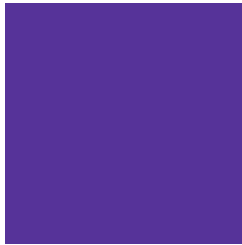
30, 57.893, 347.599



1, 4.966, 336.560

Previews

White Background



This preview shows how the CIELCh color 31, 63.953, 308.066 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, 63.953, 308.066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

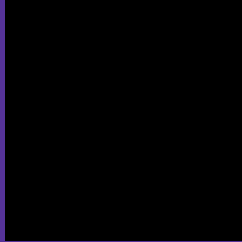
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 63.953, 308.066

Background



This preview shows how black text looks on a background with the CIELCh color 31, 63.953, 308.066.



This preview shows how white text looks on a background with the CIELCh color 31, 63.953, 308.066.

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, 63.953, 308.066

Protanopia

31, 50.406, 285.806

Deuteranopia

31, 36.537, 273.821



Tritanopia
31, 4.510, 257.294

Trichromacy



Original Color
31, 63.953, 308.066

Protanomaly
30, 55.303, 292.502

Deuteranomaly
29, 46.166, 288.428

Tritanomaly
31, 26.480, 301.753

Monochromacy



Original Color
31, 63.953, 308.066

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 24.266, 305.861

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 63.953, 308.066 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(86, 51, 153)` looks like.

```
.text, #text, p{  
    color:rgb(86, 51, 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(86, 51, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 51, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 63.953, 308.066 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(86, 51, 153) }
```

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

```
.border{ border-color:rgb(86, 51, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 51, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 51, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 51, 153);  
box-shadow:4px 4px 4px 4px rgb(86, 51,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 63.953, 308.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 51, 153) }
```

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

```
.background{ background-color: rgb(86, 51,  
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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