

Converting Colors

CIELCh(31, 51.141, 15.318)

Have a look what the booklet for
CIELCh(31, 51.141, 15.318) contains.

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Color

CIELCh(31, 51.230, 15.563)

Conversions

Conversions Part 1

Format	Color
Hex	8E1736
RGB	142, 23, 54
RGB Percent	56%, 9%, 21%
CMY	0.4426, 0.9090, 0.7878
CMYK	0.00, 0.84, 0.62, 0.44
HSL	344°, 72%, 32%
HSV	344°, 84%, 56%
XYZ	12.1593, 6.6515, 4.1468
YIQ	62.1150, 60.9730, 34.8690

Conversions

Conversions Part 2

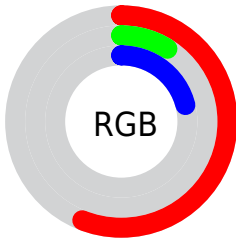
Format	Color
R _Y B	142, 23, 54
Decimal	9312054
CIE Lab	31.00, 49.35, 13.74
CIE LCh	31, 51.230, 15.563
Yxy	6.6515, 0.5296, 0.2897
Android (android.graphics.Color)	4287502134 (0xFF8E1736)
YUV	62.1150, -4.0007, 70.0591
Hunter-Lab	25.7905, 39.0231, 8.5202

Details

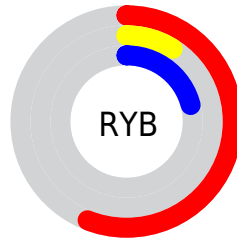
The CIELCh color **31, 51.230, 15.563** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **53, 39.485, 168.698**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 51.252, 15.796**, and **15, 41.301, 28.396** is the 20% darker color. If you saturate the color by 10%, you get **30, 55.090, 20.284**, and if you desaturate by 10%, it is **33, 46.476, 11.690**.

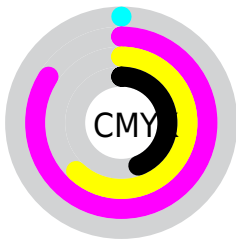
Distribution



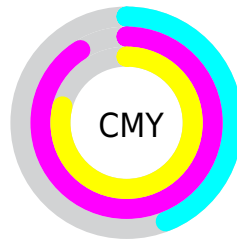
- Red (56%)
- Green (9%)
- Blue (21%)



- Red (56%)
- Yellow (9%)
- Blue (21%)



- Cyan (0%)
- Magenta (84%)
- Yellow (62%)
- Black (44%)



- Cyan (44%)
- Magenta (91%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 51.230, 15.563 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, 51.230, 15.563 by changing the saturation by 10% instead.

31, 51.230, 15.563

31, 51.230, 15.563

100, 51.230,
15.563

21, 51.230, 15.563

51, 51.230, 15.563

11, 51.230, 15.563

61, 51.230, 15.563

1, 51.230, 15.563

71, 51.230, 15.563

0, 51.230, 15.563

81, 51.230, 15.563

91, 51.230, 15.563

31, 51.230, 15.563

31, 51.230, 15.563

30, 55.090, 20.284

33, 46.476, 11.690

29, 57.472, 23.313

35, 40.884, 8.595

38, 34.669, 6.135

42, 28.100, 4.161

45, 21.420, 2.549

49, 14.809, 1.206

53, 8.384, 0.056

58, 2.208, 358.955

62, 3.691, 178.380

Harmonies

Complementary

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



31, 51.230, 15.563



53, 39.485, 168.698

Rectangle

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



31, 51.230, 15.563



31, 51.230, 65.563



31, 51.230, 195.563



31, 51.230, 245.563

Sweetspot

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



31, 51.227, 15.565



62, 19.331, 1.436



29, 71.022, 319.198



30, 13.213, 1.837



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, 51.227, 15.565



38, 69.961, 24.608



34, 52.132, 44.375



28, 3.439, 359.578



28, 55.304, 23.020



0, 2.278, 358.796

Inverse Universe

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



31, 51.227, 15.565



38, 69.961, 24.608



45, 27.117, 235.648



28, 3.439, 359.578



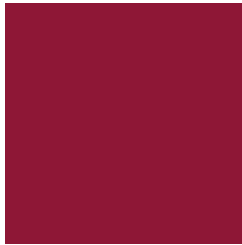
28, 55.304, 23.020



0, 2.278, 358.796

Previews

White Background



This preview shows how the CIELCh color 31, 51.230, 15.563 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, 51.230, 15.563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

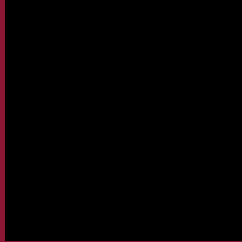
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 51.230, 15.563

Background



This preview shows how black text looks on a background with the CIELCh color 31, 51.230, 15.563.



This preview shows how white text looks on a background with the CIELCh color 31, 51.230, 15.563.

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, 51.230, 15.563

Protanopia

32, 1.550, 324.488

Deuteranopia

32, 17.505, 74.762



Tritanopia
31, 54.252, 32.650

Trichromacy



Original Color
31, 51.230, 15.563

Protanomaly
29, 21.247, 2.991

Deuteranomaly
30, 27.531, 29.719

Tritanomaly
31, 52.318, 26.734

Monochromacy



Original Color
31, 51.230, 15.563

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 21.071, 4.698

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 51.230, 15.563 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(142, 23, 54)` looks like.

```
.text, #text, p{  
    color:rgb(142, 23, 54)  
}
```

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(142, 23, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 23, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 51.230, 15.563 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(142, 23, 54) }
```

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

```
.border{ border-color:rgb(142, 23, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 23, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 23, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 23, 54);  
box-shadow:4px 4px 4px 4px rgb(142, 23,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 51.230, 15.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 23, 54) }
```

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

```
.background{ background-color: rgb(142, 23,  
54) }
```

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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