

Converting Colors

CIELCh(31, 44.915, 16.861)

Have a look what the booklet for
CIELCh(31, 44.915, 16.861) contains.

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Color

CIELCh(31, 44.915, 16.861)

Conversions

Conversions Part 1

Format	Color
Hex	872437
RGB	135, 36, 55
RGB Percent	53%, 14%, 22%
CMY	0.4716, 0.8597, 0.7851
CMYK	0.00, 0.73, 0.59, 0.47
HSL	348°, 58%, 33%
HSV	348°, 73%, 53%
XYZ	11.2605, 6.6515, 4.2808
YIQ	67.7670, 52.9050, 26.8970

Conversions

Conversions Part 2

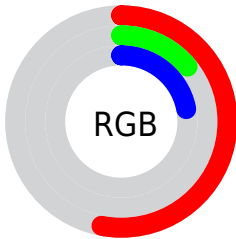
Format	Color
RYB	135, 36, 55
Decimal	8856631
CIELab	31.00, 42.98, 13.03
CIELCh	31, 44.915, 16.861
Yxy	6.6515, 0.5074, 0.2997
Android (android.graphics.Color)	4287046711 (0xFF872437)
YUV	67.7670, -6.2941, 58.9633
Hunter-Lab	25.7905, 32.8020, 8.2121

Details

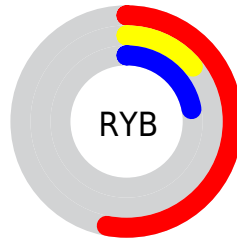
The CIELCh color **31, 44.915, 16.861** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **51, 32.768, 176.217**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 44.794, 16.758**, and **14, 38.437, 25.536** is the 20% darker color. If you saturate the color by 10%, you get **29, 50.058, 20.800**, and if you desaturate by 10%, it is **33, 39.130, 13.687**.

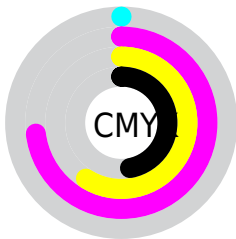
Distribution



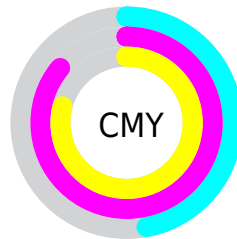
- Red (53%)
- Green (14%)
- Blue (22%)



- Red (53%)
- Yellow (14%)
- Blue (22%)



- Cyan (0%)
- Magenta (73%)
- Yellow (59%)
- Black (47%)



- Cyan (47%)
- Magenta (86%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 44.915, 16.861 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, 44.915, 16.861 by changing the saturation by 10% instead.

■ 31, 44.915, 16.861

■ 31, 44.915, 16.861

■ 100, 44.915,
16.861

■ 21, 44.915, 16.861

■ 51, 44.915, 16.861

■ 11, 44.915, 16.861

■ 61, 44.915, 16.861

■ 1, 44.915, 16.861

■ 71, 44.915, 16.861

■ 0, 44.915, 16.861

■ 81, 44.915, 16.861

■ 91, 44.915, 16.861

■ 31, 44.915, 16.861

■ 31, 44.915, 16.861

■ 29, 50.058, 20.800

■ 33, 39.130, 13.687

28, 54.499, 25.484

36, 32.905, 11.160

27, 57.372, 28.460

40, 26.472, 9.142

43, 20.036, 7.511

47, 13.747, 6.166

51, 7.695, 5.029

55, 1.928, 3.932

59, 3.540, 183.421

63, 8.713, 182.642

Harmonies

Complementary

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



31, 44.915, 16.861



51, 32.768, 176.217

Rectangle

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



31, 44.915, 16.861



31, 44.915, 66.861



31, 44.915, 196.861



31, 44.915, 246.861

Sweetspot

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



31, 44.913, 16.863



61, 15.993, 6.049



31, 62.417, 321.362



31, 10.889, 6.334



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



31, 44.913, 16.863



38, 64.486, 23.785



36, 41.419, 48.784



26, 3.147, 4.574



26, 55.821, 28.252



0, 0.737, 3.828

Inverse Universe

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



31, 44.913, 16.863



38, 64.486, 23.785



42, 25.208, 243.896



26, 3.147, 4.574



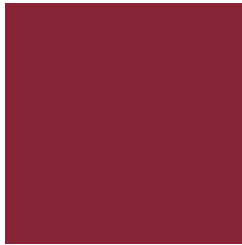
26, 55.821, 28.252



0, 0.737, 3.828

Previews

White Background



This preview shows how the CIELCh color 31, 44.915, 16.861 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, 44.915, 16.861 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, 44.915, 16.861

Background



This preview shows how black text looks on a background with the CIELCh color 31, 44.915, 16.861.



This preview shows how white text looks on a background with the CIELCh color 31, 44.915, 16.861.

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, 44.915, 16.861

Protanopia

32, 1.535, 74.728

Deuteranopia

31, 16.131, 74.232



Tritanopia
31, 46.339, 29.280

Trichromacy



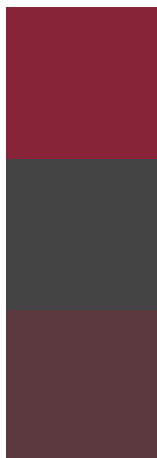
Original Color
31, 44.915, 16.861

Protanomaly
30, 17.480, 10.312

Deuteranomaly
30, 24.246, 32.421

Tritanomaly
31, 45.475, 25.222

Monochromacy



Original Color
31, 44.915, 16.861

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 17.254, 7.974

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 44.915, 16.861 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(135, 36, 55)` looks like.

```
.text, #text, p{  
    color:rgb(135, 36, 55)  
}
```

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(135, 36, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 36, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 44.915, 16.861 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(135, 36, 55) }
```

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

```
.border{ border-color:rgb(135, 36, 55) }
```

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

Here you see how a box with a 4 pixel rgb(135, 36, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 36, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 36, 55);  
box-shadow:4px 4px 4px 4px rgb(135, 36,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 44.915, 16.861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 36, 55) }
```

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

```
.background{ background-color: rgb(135, 36,  
55) }
```

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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