

Converting Colors

CIELCh(31, 56.377, 50.259)

Have a look what the booklet for
CIELCh(31, 56.377, 50.259) contains.

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Color

CIELCh(31, 56.169, 49.970)

Conversions

Conversions Part 1

Format	Color
Hex	842C00
RGB	132, 44, 0
RGB Percent	52%, 17%, 0%
CMY	0.4838, 0.8287, 1.0000
CMYK	0.00, 0.67, 1.00, 0.48
HSL	20°, 100%, 26%
HSV	20°, 100%, 52%
XYZ	10.3433, 6.6515, 0.7298
YIQ	65.2960, 66.5720, 4.9720

Conversions

Conversions Part 2

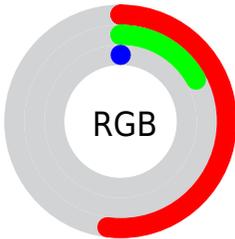
Format	Color
RYB	132, 66, 0
Decimal	8662016
CIELab	31.00, 36.13, 43.01
CIELCh	31, 56.169, 49.970
Yxy	6.6515, 0.5836, 0.3753
Android (android.graphics.Color)	4286852096 (0xFF842C00)
YUV	65.2960, -32.1909, 58.4994
Hunter-Lab	25.7905, 26.4542, 16.3755

Details

The CIELCh color **31, 56.169, 49.970** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **35, 31.122, 260.227**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 56.165, 49.891**, and **12, 38.065, 30.569** is the 20% darker color. If you saturate the color by 10%, you get **31, 56.076, 49.886**, and if you desaturate by 10%, it is **33, 50.416, 50.488**.

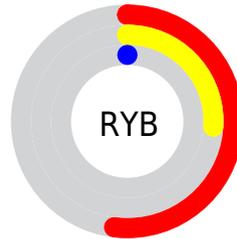
Distribution



Red (52%)

Green (17%)

Blue (0%)



Red (52%)

Yellow (26%)

Blue (0%)

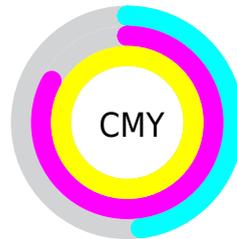


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (48%)



Cyan (48%)

Magenta (83%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 56.169, 49.970 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, 56.169, 49.970 by changing the saturation by 10% instead.

■ 31, 56.169, 49.970

■ 31, 56.169, 49.970

■ 100, 56.169,
49.970

■ 21, 56.169, 49.970

■ 51, 56.169, 49.970

■ 11, 56.169, 49.970

■ 61, 56.169, 49.970

■ 1, 56.169, 49.970

■ 71, 56.169, 49.970

■ 0, 56.169, 49.970

■ 81, 56.169, 49.970

■ 91, 56.169, 49.970

■ 31, 56.169, 49.970

■ 31, 56.169, 49.970

■ 31, 56.076, 49.886

■ 33, 50.416, 50.488

■ 35, 44.311, 51.113

■ 37, 37.842, 51.495

■ 39, 31.446, 51.852

■ 42, 25.320, 52.271

■ 44, 19.544, 52.775

■ 47, 14.139, 53.361

■ 49, 9.096, 54.009

■ 52, 4.392, 54.683

Harmonies

Complementary

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



31, 56.169, 49.970



35, 31.122, 260.227

Rectangle

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



31, 56.169, 49.970



31, 56.169, 99.970



31, 56.169, 229.970



31, 56.169, 279.970

Sweetspot

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



31, 56.076, 49.886



60, 17.541, 53.319



28, 56.219, 345.471



30, 12.219, 53.100



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



31, 56.076, 49.886



40, 68.689, 49.256



46, 52.844, 89.737



27, 2.484, 54.739



31, 55.527, 49.893



0, 0.579, 55.510

Inverse Universe

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



35, 31.122, 260.227



46, 38.151, 261.496



17, 71.170, 302.242



27, 2.379, 236.379



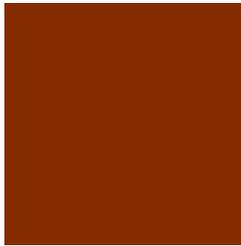
35, 30.834, 260.161



0, 0.579, 235.528

Previews

White Background



This preview shows how the CIELCh color 31, 56.169, 49.970 looks on a white background.

Color Contrast Check

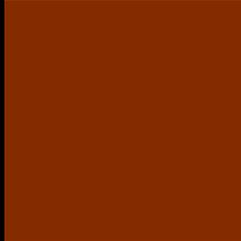
Large Text (above 18pt) WCAG AA ✓ Pass

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, 56.169, 49.970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

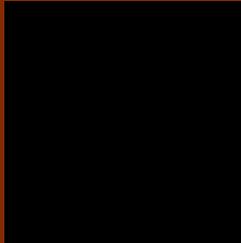
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 56.169, 49.970

Background



This preview shows how black text looks on a background with the CIELCh color 31, 56.169, 49.970.



This preview shows how white text looks on a background with the CIELCh color 31, 56.169, 49.970.

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, 56.169, 49.970

Protanopia

31, 34.921, 95.127

Deuteranopia

32, 40.694, 85.306



Tritanopia
31, 44.155, 27.879

Trichromacy



Original Color
31, 56.169, 49.970

Protanomaly
30, 38.434, 71.634

Deuteranomaly
31, 44.035, 68.032

Tritanomaly
31, 48.466, 38.835

Monochromacy



Original Color
31, 56.169, 49.970

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 19.893, 52.345

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 56.169, 49.970 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(132, 44, 0)` looks like.

```
.text, #text, p{  
    color:rgb(132, 44, 0)  
}
```

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(132, 44, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 44, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 56.169, 49.970 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(132, 44, 0) }
```

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

```
.border{ border-color:rgb(132, 44, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 44, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 44, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 44, 0);  
box-shadow:4px 4px 4px 4px rgb(132, 44, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 56.169, 49.970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 44, 0) }
```

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

```
.background{ background-color: rgb(132, 44,  
0) }
```

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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