

Converting Colors

CIELCh(31, 50.510, 56.625)

Have a look what the booklet for
CIELCh(31, 50.510, 56.625) contains.

CIELCh(31, 50.306, 56.888)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(31, 50.306, 56.888)

Conversions

Conversions Part 1

Format	Color
Hex	7A3500
RGB	122, 53, 0
RGB Percent	48%, 21%, 0%
CMY	0.5224, 0.7928, 1.0000
CMYK	0.00, 0.57, 1.00, 0.52
HSL	26°, 100%, 24%
HSV	26°, 100%, 48%
XYZ	9.2596, 6.6515, 0.7908
YIQ	67.5890, 58.1370, -1.8550

Conversions

Conversions Part 2

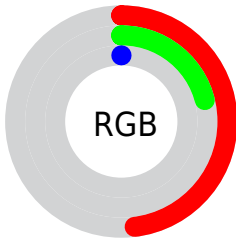
Format	Color
RYB	122, 94, 0
Decimal	8008960
CIELab	31.00, 27.48, 42.14
CIELCh	31, 50.306, 56.888
Yxy	6.6515, 0.5544, 0.3982
Android (android.graphics.Color)	4286199040 (0xFF7A3500)
YUV	67.5890, -33.3214, 47.7184
Hunter-Lab	25.7905, 18.9538, 16.2353

Details

The CIELCh color **31, 50.306, 56.888** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **29, 35.407, 274.826**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 50.385, 56.852**, and **11, 32.717, 32.310** is the 20% darker color. If you saturate the color by 10%, you get **31, 50.248, 56.843**, and if you desaturate by 10%, it is **33, 45.328, 58.159**.

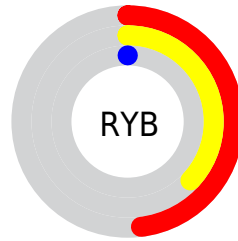
Distribution



Red (48%)

Green (21%)

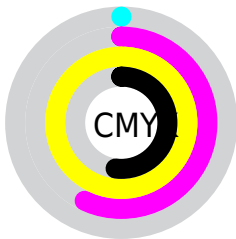
Blue (0%)



Red (48%)

Yellow (37%)

Blue (0%)

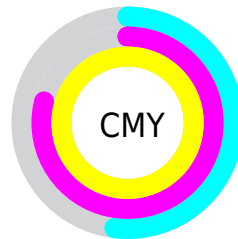


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (52%)



Cyan (52%)

Magenta (79%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 50.306, 56.888 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, 50.306, 56.888 by changing the saturation by 10% instead.

31, 50.306, 56.888

31, 50.306, 56.888

100, 50.306,
56.888

21, 50.306, 56.888

51, 50.306, 56.888

11, 50.306, 56.888

61, 50.306, 56.888

1, 50.306, 56.888

71, 50.306, 56.888

0, 50.306, 56.888

81, 50.306, 56.888

91, 50.306, 56.888

31, 50.306, 56.888

31, 50.306, 56.888

31, 50.248, 56.843

33, 45.328, 58.159

■ 34, 40.187, 59.575

■ 36, 34.612, 60.697

■ 38, 28.995, 61.714

■ 40, 23.530, 62.710

■ 42, 18.303, 63.719

■ 44, 13.342, 64.745

■ 47, 8.647, 65.782

■ 49, 4.205, 66.803

Harmonies

Complementary

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



31, 50.306, 56.888



29, 35.407, 274.826

Rectangle

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



31, 50.306, 56.888



31, 50.306, 106.888



31, 50.306, 236.888



31, 50.306, 286.888

Sweetspot

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



31, 50.248, 56.843



57, 16.553, 64.670



25, 50.197, 354.472



28, 11.339, 64.323



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



31, 50.248, 56.843



40, 61.298, 55.955



47, 53.539, 98.591



25, 2.372, 66.894



32, 51.281, 56.781



63, 87.746, 54.695

Inverse Universe

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



29, 35.407, 274.826



37, 43.696, 276.125



13, 73.893, 304.981



24, 2.304, 249.031



29, 36.146, 274.969



59, 63.719, 277.776

Previews

White Background



This preview shows how the CIELCh color 31, 50.306, 56.888 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, 50.306, 56.888 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, 50.306, 56.888

Background



This preview shows how black text looks on a background with the CIELCh color 31, 50.306, 56.888.



This preview shows how white text looks on a background with the CIELCh color 31, 50.306, 56.888.

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, 50.306, 56.888

Protanopia

31, 35.589, 95.999

Deuteranopia

31, 40.358, 85.114



Tritanopia
31, 35.604, 24.026

Trichromacy



Original Color
31, 50.306, 56.888

Protanomaly
31, 37.759, 77.418

Deuteranomaly
31, 42.347, 73.248

Tritanomaly
31, 40.373, 40.637

Monochromacy



Original Color
31, 50.306, 56.888

Achromatopsia
28, 0.004, 296.813

Achromatomaly
29, 17.965, 62.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 50.306, 56.888 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(122, 53, 0)` looks like.

```
.text, #text, p{  
    color:rgb(122, 53, 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(122, 53, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 53, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 50.306, 56.888 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(122, 53, 0) }
```

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

```
.border{ border-color:rgb(122, 53, 0) }
```

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

Here you see how a box with a 4 pixel rgb(122, 53, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 53, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 53, 0);  
box-shadow:4px 4px 4px 4px rgb(122, 53, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 50.306, 56.888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 53, 0) }
```

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

```
.background{ background-color: rgb(122, 53,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor