

Converting Colors

CIELCh(31, 56.447, 47.628)

Have a look what the booklet for
CIELCh(31, 56.447, 47.628) contains.

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Color

CIELCh(31, 56.757, 47.560)

Conversions

Conversions Part 1

Format	Color
Hex	862903
RGB	134, 41, 3
RGB Percent	53%, 16%, 1%
CMY	0.4748, 0.8394, 0.9884
CMYK	0.00, 0.69, 0.98, 0.47
HSL	17°, 96%, 27%
HSV	17°, 98%, 53%
XYZ	10.6284, 6.6515, 0.8084
YIQ	64.4750, 67.6260, 7.8980

Conversions

Conversions Part 2

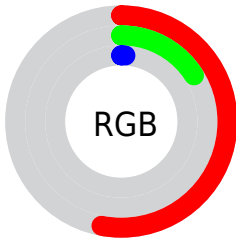
Format	Color
R_{YB}	134, 57, 3
Decimal	8792323
CIE _{Lab}	31.00, 38.30, 41.89
CIE _{LCh}	31, 56.757, 47.560
Yxy	6.6515, 0.5876, 0.3677
Android (android.graphics.Color)	4286982403 (0xFF862903)
YUV	64.4750, -30.3072, 60.9734
Hunter-Lab	25.7905, 28.4274, 16.1950

Details

The CIELCh color **31, 56.757, 47.560** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **38, 29.197, 251.866**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 56.652, 47.753**, and **13, 38.975, 31.113** is the 20% darker color. If you saturate the color by 10%, you get **31, 58.031, 47.576**, and if you desaturate by 10%, it is **33, 50.863, 47.887**.

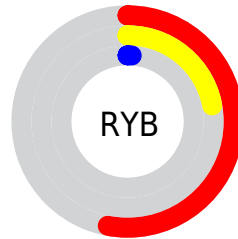
Distribution



Red (53%)

Green (16%)

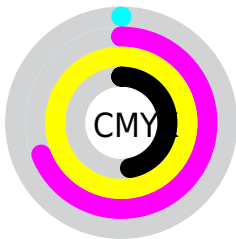
Blue (1%)



Red (53%)

Yellow (22%)

Blue (1%)

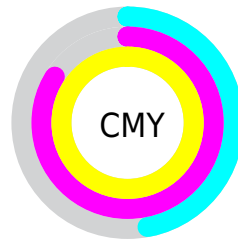


Cyan (0%)

Magenta (69%)

Yellow (98%)

Black (47%)



Cyan (47%)

Magenta (84%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 56.757, 47.560 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, 56.757, 47.560 by changing the saturation by 10% instead.

31, 56.757, 47.560

31, 56.757, 47.560

100, 56.757,
47.560

21, 56.757, 47.560

51, 56.757, 47.560

11, 56.757, 47.560

61, 56.757, 47.560

1, 56.757, 47.560

71, 56.757, 47.560

0, 56.757, 47.560

81, 56.757, 47.560

91, 56.757, 47.560

31, 56.757, 47.560

31, 56.757, 47.560

31, 58.031, 47.576

33, 50.863, 47.887

■ 35, 44.323, 48.010

■ 37, 37.561, 47.996

■ 39, 30.957, 48.032

■ 42, 24.678, 48.180

■ 45, 18.788, 48.449

■ 48, 13.300, 48.826

■ 51, 8.201, 49.284

■ 54, 3.462, 49.765

Harmonies

Complementary

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



31, 56.757, 47.560



38, 29.197, 251.866

Rectangle

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



31, 56.757, 47.560



31, 56.757, 97.560



31, 56.757, 227.560



31, 56.757, 277.560

Sweetspot

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



31, 56.755, 47.562



60, 17.255, 48.750



29, 57.832, 342.818



30, 11.955, 48.608



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, 56.755, 47.562



40, 71.058, 47.113



46, 52.136, 87.217



26, 2.496, 49.707



30, 56.629, 47.563



0, 0.580, 50.327

Inverse Universe

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



38, 29.197, 251.866



49, 36.046, 253.992



19, 67.969, 300.594



27, 2.379, 231.047



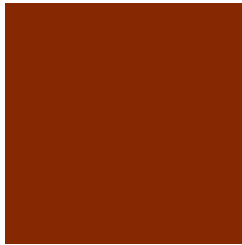
37, 28.907, 252.634



0, 0.580, 230.346

Previews

White Background



This preview shows how the CIELCh color 31, 56.757, 47.560 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, 56.757, 47.560 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, 56.757, 47.560

Background



This preview shows how black text looks on a background with the CIELCh color 31, 56.757, 47.560.



This preview shows how white text looks on a background with the CIELCh color 31, 56.757, 47.560.

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, 56.757, 47.560

Protanopia

32, 34.873, 96.061

Deuteranopia

32, 40.694, 85.306



Tritanopia
31, 47.052, 28.926

Trichromacy



Original Color
31, 56.757, 47.560

Protanomaly
30, 38.087, 70.581

Deuteranomaly
31, 44.086, 66.498

Tritanomaly
31, 50.522, 37.378

Monochromacy



Original Color
31, 56.757, 47.560

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 19.613, 48.885

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 56.757, 47.560 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(134, 41, 3)` looks like.

```
.text, #text, p{  
    color:rgb(134, 41, 3)  
}
```

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(134, 41, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 41, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 56.757, 47.560 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(134, 41, 3) }
```

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

```
.border{ border-color:rgb(134, 41, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 41, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 41, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 41, 3);  
box-shadow:4px 4px 4px 4px rgb(134, 41, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 56.757, 47.560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 41, 3) }
```

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

```
.background{ background-color: rgb(134, 41,  
3) }
```

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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