

Converting Colors

CIELCh(31, 39.479, 49.432)

Have a look what the booklet for
CIELCh(31, 39.479, 49.432) contains.

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Color

CIELCh(31, 39.517, 49.925)

Conversions

Conversions Part 1

Format	Color
Hex	76371A
RGB	118, 55, 26
RGB Percent	46%, 22%, 10%
CMY	0.5374, 0.7844, 0.8982
CMYK	0.00, 0.53, 0.78, 0.54
HSL	19°, 64%, 28%
HSV	19°, 78%, 46%
XYZ	9.0154, 6.6515, 1.7838
YIQ	70.5310, 46.8570, 4.3370

Conversions

Conversions Part 2

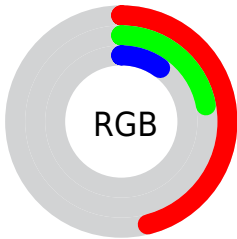
Format	Color
R_{YB}	118, 68, 26
Decimal	7747354
CIE _{Lab}	31.00, 25.44, 30.24
CIE _{LCh}	31, 39.517, 49.925
Yxy	6.6515, 0.5166, 0.3812
Android (android.graphics.Color)	4285937434 (0xFF76371A)
YUV	70.5310, -21.9538, 41.6303
Hunter-Lab	25.7905, 17.2638, 13.9524

Details

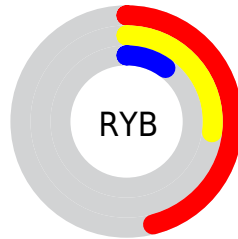
The CIELCh color **31, 39.517, 49.925** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **35, 23.900, 247.664**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 39.746, 49.595**, and **11, 30.968, 34.145** is the 20% darker color. If you saturate the color by 10%, you get **29, 45.335, 49.575**, and if you desaturate by 10%, it is **33, 33.524, 50.141**.

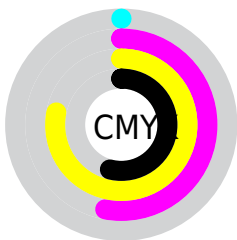
Distribution



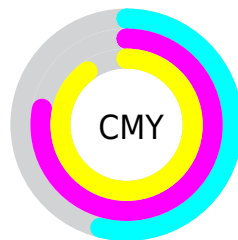
- Red (46%)
- Green (22%)
- Blue (10%)



- Red (46%)
- Yellow (27%)
- Blue (10%)



- Cyan (0%)
- Magenta (53%)
- Yellow (78%)
- Black (54%)



- Cyan (54%)
- Magenta (78%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 39.517, 49.925 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, 39.517, 49.925 by changing the saturation by 10% instead.

31, 39.517, 49.925

31, 39.517, 49.925

100, 39.517,
49.925

21, 39.517, 49.925

51, 39.517, 49.925

11, 39.517, 49.925

61, 39.517, 49.925

1, 39.517, 49.925

71, 39.517, 49.925

0, 39.517, 49.925

81, 39.517, 49.925

91, 39.517, 49.925

31, 39.517, 49.925

31, 39.517, 49.925

29, 45.335, 49.575

33, 33.524, 50.141

■ 28, 50.524, 48.940

■ 35, 27.675, 50.380

■ 27, 51.527, 48.858

■ 37, 22.108, 50.706

■ 40, 16.875, 51.129

■ 42, 11.987, 51.639

■ 45, 7.432, 52.214

■ 48, 3.185, 52.802

■ 50, 0.780, 234.029

■ 53, 4.493, 234.385

Harmonies

Complementary

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



31, 39.517, 49.925



35, 23.900, 247.664

Rectangle

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



31, 39.517, 49.925



31, 39.517, 99.925



31, 39.517, 229.925



31, 39.517, 279.925

Sweetspot

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



31, 39.516, 49.928



56, 11.997, 51.887



28, 48.107, 340.857



27, 8.341, 51.723



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



31, 39.516, 49.928



37, 59.914, 48.917



43, 41.932, 91.362



23, 2.242, 52.745



28, 53.189, 48.905



58, 92.990, 47.544

Inverse Universe

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



35, 23.900, 247.664



43, 32.775, 255.324



21, 49.044, 295.409



24, 2.146, 234.243



33, 28.641, 256.919



67, 49.945, 259.961

Previews

White Background



This preview shows how the CIELCh color 31, 39.517, 49.925 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, 39.517, 49.925 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, 39.517, 49.925

Background



This preview shows how black text looks on a background with the CIELCh color 31, 39.517, 49.925.



This preview shows how white text looks on a background with the CIELCh color 31, 39.517, 49.925.

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, 39.517, 49.925

Protanopia

31, 26.623, 96.414

Deuteranopia

31, 32.230, 82.381



Tritanopia
31, 32.139, 22.751

Trichromacy



Original Color
31, 39.517, 49.925

Protanomaly
31, 28.344, 74.322

Deuteranomaly
31, 33.317, 68.989

Tritanomaly
31, 34.207, 34.700

Monochromacy



Original Color
31, 39.517, 49.925

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 12.995, 53.151

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 39.517, 49.925 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(118, 55, 26)` looks like.

```
.text, #text, p{  
    color:rgb(118, 55, 26)  
}
```

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(118, 55, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 55, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 39.517, 49.925 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(118, 55, 26) }
```

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

```
.border{ border-color:rgb(118, 55, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 55, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 55, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 55, 26);  
box-shadow:4px 4px 4px 4px rgb(118, 55,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 39.517, 49.925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 55, 26) }
```

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

```
.background{ background-color: rgb(118, 55,  
26) }
```

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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