

Converting Colors

CIELCh(31, 47.391, 62.232)

Have a look what the booklet for
CIELCh(31, 47.391, 62.232) contains.

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Color

CIELCh(31, 47.333, 61.512)

Conversions

Conversions Part 1

Format	Color
Hex	743900
RGB	116, 57, 0
RGB Percent	45%, 22%, 0%
CMY	0.5448, 0.7762, 0.9997
CMYK	0.00, 0.51, 1.00, 0.54
HSL	29°, 100%, 23%
HSV	29°, 100%, 46%
XYZ	8.6800, 6.6515, 0.8282
YIQ	68.1430, 53.4610, -5.2190

Conversions

Conversions Part 2

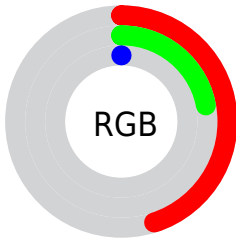
Format	Color
R _Y B	116, 112, 0
Decimal	7616768
CIE Lab	31.00, 22.58, 41.60
CIE LCh	31, 47.333, 61.512
Yxy	6.6515, 0.5371, 0.4116
Android (android.graphics.Color)	4285806848 (0xFF743900)
YUV	68.1430, -33.5945, 41.9706
Hunter-Lab	25.7905, 14.9421, 16.1493

Details

The CIELCh color **31, 47.333, 61.512** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **25, 38.119, 281.122**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 47.063, 61.564**, and **11, 28.443, 37.267** is the 20% darker color. If you saturate the color by 10%, you get **31, 47.359, 61.508**, and if you desaturate by 10%, it is **32, 42.880, 63.077**.

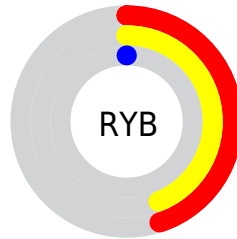
Distribution



Red (45%)

Green (22%)

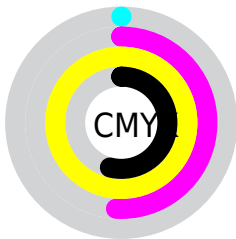
Blue (0%)



Red (45%)

Yellow (44%)

Blue (0%)

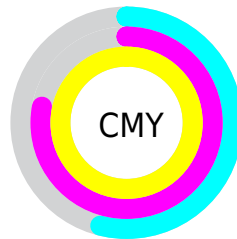


Cyan (0%)

Magenta (51%)

Yellow (100%)

Black (54%)



Cyan (54%)

Magenta (78%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 47.333, 61.512 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, 47.333, 61.512 by changing the saturation by 10% instead.

■ 31, 47.333, 61.512

■ 31, 47.333, 61.512

■ 100, 47.333,
61.512

■ 21, 47.333, 61.512

■ 51, 47.333, 61.512

■ 11, 47.333, 61.512

■ 61, 47.333, 61.512

■ 1, 47.333, 61.512

■ 71, 47.333, 61.512

■ 0, 47.333, 61.512

■ 81, 47.333, 61.512

■ 91, 47.333, 61.512

■ 31, 47.333, 61.512

■ 31, 47.333, 61.512

■ 31, 47.359, 61.508

■ 32, 42.880, 63.077

■ 34, 38.278, 64.760

■ 36, 33.182, 66.145

■ 37, 27.964, 67.401

■ 39, 22.819, 68.606

■ 41, 17.841, 69.795

■ 43, 13.066, 70.975

■ 45, 8.502, 72.143

■ 47, 4.142, 73.277

Harmonies

Complementary

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



31, 47.333, 61.512



25, 38.119, 281.122

Rectangle

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



31, 47.333, 61.512



31, 47.333, 111.512



31, 47.333, 241.512



31, 47.333, 291.512

Sweetspot

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



31, 47.332, 61.514



55, 16.220, 70.879



24, 47.753, 358.603



28, 11.240, 70.486



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, 47.332, 61.514



40, 57.518, 60.544



47, 53.541, 101.844



24, 2.360, 73.375



33, 49.328, 61.333



65, 84.602, 59.120

Inverse Universe

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



25, 38.119, 281.122



33, 47.134, 282.408



11, 73.858, 305.930



23, 2.311, 255.646



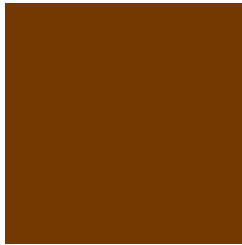
26, 39.830, 281.428



54, 71.203, 284.125

Previews

White Background



This preview shows how the CIELCh color 31, 47.333, 61.512 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, 47.333, 61.512 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, 47.333, 61.512

Background



This preview shows how black text looks on a background with the CIELCh color 31, 47.333, 61.512.



This preview shows how white text looks on a background with the CIELCh color 31, 47.333, 61.512.

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, 47.333, 61.512

Protanopia

31, 36.289, 96.011

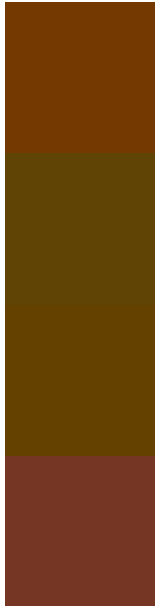
Deuteranopia

31, 40.358, 85.114



Tritanopia
31, 30.999, 21.240

Trichromacy



Original Color
31, 47.333, 61.512

Protanomaly
31, 38.192, 81.108

Deuteranomaly
31, 41.784, 75.310

Tritanomaly
31, 35.541, 42.631

Monochromacy



Original Color
31, 47.333, 61.512

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 17.414, 69.766

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 47.333, 61.512 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(116, 57, 0)` looks like.

```
.text, #text, p{  
    color:rgb(116, 57, 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(116, 57, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 57, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 47.333, 61.512 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(116, 57, 0) }
```

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

```
.border{ border-color:rgb(116, 57, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 57, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 57, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 57, 0);  
box-shadow:4px 4px 4px 4px rgb(116, 57, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 47.333, 61.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 57, 0) }
```

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

```
.background{ background-color: rgb(116, 57,  
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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