

Converting Colors

CIELCh(31, 37.920, 41.774)

Have a look what the booklet for
CIELCh(31, 37.920, 41.774) contains.

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Color

CIELCh(31, 37.544, 41.989)

Conversions

Conversions Part 1

Format	Color
Hex	783523
RGB	120, 53, 35
RGB Percent	47%, 21%, 14%
CMY	0.5296, 0.7923, 0.8629
CMYK	0.00, 0.56, 0.71, 0.53
HSL	13°, 55%, 30%
HSV	13°, 71%, 47%
XYZ	9.3110, 6.6515, 2.3797
YIQ	70.9810, 45.7100, 8.6060

Conversions

Conversions Part 2

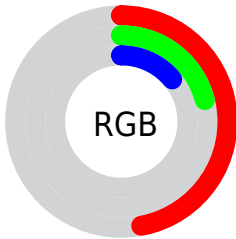
Format	Color
R_{YB}	120, 58, 35
Decimal	7877923
CIE _{Lab}	31.00, 27.91, 25.12
CIE _{LCh}	31, 37.544, 41.989
Yxy	6.6515, 0.5076, 0.3626
Android (android.graphics.Color)	4286068003 (0xFF783523)
YUV	70.9810, -17.7386, 42.9897
Hunter-Lab	25.7905, 19.3091, 12.5826

Details

The CIELCh color **31, 37.544, 41.989** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **40, 21.845, 227.946**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 37.301, 42.560**, and **11, 32.973, 31.593** is the 20% darker color. If you saturate the color by 10%, you get **29, 43.972, 42.801**, and if you desaturate by 10%, it is **33, 31.199, 41.309**.

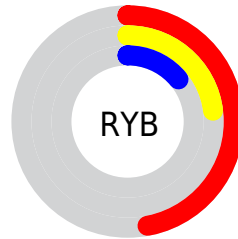
Distribution



Red (47%)

Green (21%)

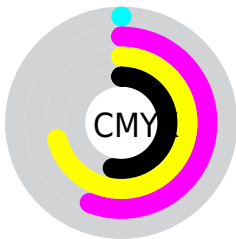
Blue (14%)



Red (47%)

Yellow (23%)

Blue (14%)

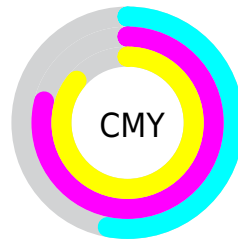


Cyan (0%)

Magenta (56%)

Yellow (71%)

Black (53%)



Cyan (53%)

Magenta (79%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 37.544, 41.989 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, 37.544, 41.989 by changing the saturation by 10% instead.

■ 31, 37.544, 41.989

■ 31, 37.544, 41.989

■ 100, 37.544,
41.989

■ 21, 37.544, 41.989

■ 51, 37.544, 41.989

■ 11, 37.544, 41.989

■ 61, 37.544, 41.989

■ 1, 37.544, 41.989

■ 71, 37.544, 41.989

■ 0, 37.544, 41.989

■ 81, 37.544, 41.989

■ 91, 37.544, 41.989

■ 31, 37.544, 41.989

■ 31, 37.544, 41.989

■ 29, 43.972, 42.801

■ 33, 31.199, 41.309

27, 50.038, 43.464

36, 25.130, 40.822

26, 54.628, 43.667

39, 19.420, 40.530

41, 14.096, 40.409

44, 9.156, 40.423

47, 4.583, 40.525

50, 0.346, 39.762

53, 3.584, 221.229

56, 7.241, 221.516

Harmonies

Complementary

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



31, 37.544, 41.989



40, 21.845, 227.946

Rectangle

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



31, 37.544, 41.989



31, 37.544, 91.989



31, 37.544, 221.989



31, 37.544, 271.989

Sweetspot

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



31, 37.543, 41.992



56, 11.436, 40.419



30, 49.030, 335.202



28, 7.869, 40.408



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, 37.543, 41.992



37, 57.783, 43.277



42, 36.962, 84.630



24, 2.401, 40.543



27, 56.603, 43.820



55, 98.623, 43.398

Inverse Universe

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



40, 21.845, 227.946



49, 29.034, 232.222



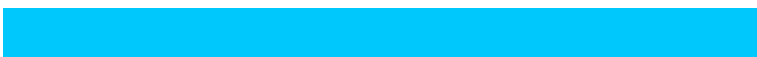
27, 38.811, 287.748



25, 2.277, 221.246



38, 25.969, 236.626



75, 44.017, 239.012

Previews

White Background



This preview shows how the CIELCh color 31, 37.544, 41.989 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, 37.544, 41.989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

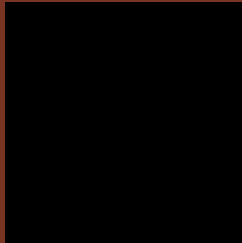
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 37.544, 41.989

Background



This preview shows how black text looks on a background with the CIELCh color 31, 37.544, 41.989.

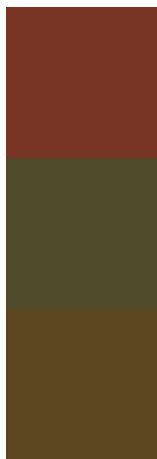


This preview shows how white text looks on a background with the CIELCh color 31, 37.544, 41.989.

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, 37.544, 41.989

Protanopia

31, 20.256, 96.524

Deuteranopia

31, 27.028, 80.503



Tritanopia
31, 33.605, 23.272

Trichromacy



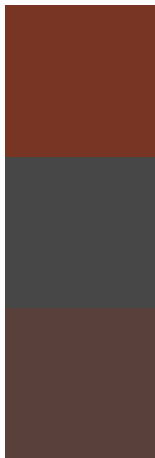
Original Color
31, 37.544, 41.989

Protanomaly
31, 23.167, 66.783

Deuteranomaly
31, 29.133, 63.194

Tritanomaly
31, 34.679, 31.008

Monochromacy



Original Color
31, 37.544, 41.989

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 12.716, 38.614

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 37.544, 41.989 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(120, 53, 35)` looks like.

```
.text, #text, p{  
    color:rgb(120, 53, 35)  
}
```

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(120, 53, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 53, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 37.544, 41.989 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(120, 53, 35) }
```

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

```
.border{ border-color:rgb(120, 53, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 53, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 53, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 53, 35);  
box-shadow:4px 4px 4px 4px rgb(120, 53,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 37.544, 41.989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 53, 35) }
```

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

```
.background{ background-color: rgb(120, 53,  
35) }
```

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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