

Converting Colors

CIELCh(31, 34.777, 45.452)

Have a look what the booklet for
CIELCh(31, 34.777, 45.452) contains.

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Color

CIELCh(31, 34.986, 45.506)

Conversions

Conversions Part 1

Format	Color
Hex	743823
RGB	116, 56, 35
RGB Percent	45%, 22%, 14%
CMY	0.5454, 0.7806, 0.8630
CMYK	0.00, 0.52, 0.70, 0.55
HSL	16°, 54%, 30%
HSV	16°, 70%, 45%
XYZ	8.9066, 6.6515, 2.4002
YIQ	71.5460, 42.5010, 6.1890

Conversions

Conversions Part 2

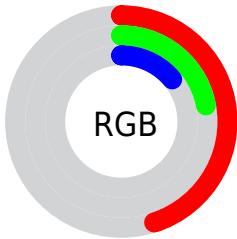
Format	Color
R _Y B	116, 63, 35
Decimal	7616547
CIE Lab	31.00, 24.52, 24.96
CIE LCh	31, 34.986, 45.506
Yxy	6.6515, 0.4960, 0.3704
Android (android.graphics.Color)	4285806627 (0xFF743823)
YUV	71.5460, -18.0172, 38.9862
Hunter-Lab	25.7905, 16.5106, 12.5355

Details

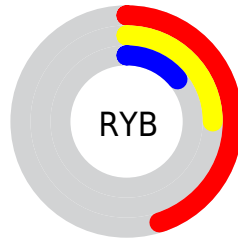
The CIELCh color **31, 34.986, 45.506** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **37, 21.244, 235.658**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **51, 35.183, 45.356**, and **11, 30.215, 34.775** is the 20% darker color. If you saturate the color by 10%, you get **29, 41.103, 45.820**, and if you desaturate by 10%, it is **33, 28.989, 45.273**.

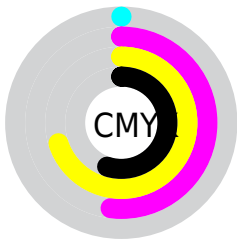
Distribution



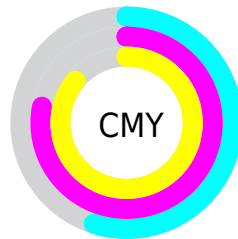
- Red (45%)
- Green (22%)
- Blue (14%)



- Red (45%)
- Yellow (25%)
- Blue (14%)



- Cyan (0%)
- Magenta (52%)
- Yellow (70%)
- Black (55%)



- Cyan (55%)
- Magenta (78%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 31, 34.986, 45.506 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, 34.986, 45.506 by changing the saturation by 10% instead.

31, 34.986, 45.506

31, 34.986, 45.506

100, 34.986,
45.506

21, 34.986, 45.506

51, 34.986, 45.506

11, 34.986, 45.506

61, 34.986, 45.506

1, 34.986, 45.506

71, 34.986, 45.506

0, 34.986, 45.506

81, 34.986, 45.506

91, 34.986, 45.506

31, 34.986, 45.506

31, 34.986, 45.506

29, 41.103, 45.820

33, 28.989, 45.273

27, 46.979, 45.999

36, 23.275, 45.177

26, 51.936, 45.739

38, 17.909, 45.226

26, 52.005, 45.739

41, 12.906, 45.405

43, 8.260, 45.686

46, 3.948, 46.021

49, 0.058, 232.609

52, 3.788, 227.142

54, 7.271, 227.622

Harmonies

Complementary

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



31, 34.986, 45.506



37, 21.244, 235.658

Rectangle

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



31, 34.986, 45.506



31, 34.986, 95.506



31, 34.986, 225.506



31, 34.986, 275.506

Sweetspot

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



31, 34.985, 45.509



55, 10.885, 45.633



29, 45.741, 337.403



28, 7.486, 45.568



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, 34.985, 45.509



37, 54.164, 45.974



41, 36.583, 88.732



23, 2.269, 46.046



27, 54.527, 45.899



56, 95.743, 45.071

Inverse Universe

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



37, 21.244, 235.658



46, 28.775, 240.739



25, 39.922, 290.418



24, 2.160, 227.129



36, 26.584, 246.306



71, 45.818, 249.140

Previews

White Background



This preview shows how the CIE LCh color 31, 34.986, 45.506 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, 34.986, 45.506 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, 34.986, 45.506

Background



This preview shows how black text looks on a background with the CIELCh color 31, 34.986, 45.506.



This preview shows how white text looks on a background with the CIELCh color 31, 34.986, 45.506.

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, 34.986, 45.506

Protanopia

31, 20.846, 96.670

Deuteranopia

31, 26.255, 81.131



Tritanopia
31, 30.535, 21.073

Trichromacy



Original Color
31, 34.986, 45.506

Protanomaly
31, 22.905, 69.490

Deuteranomaly
31, 27.907, 65.353

Tritanomaly
31, 31.628, 30.814

Monochromacy



Original Color
31, 34.986, 45.506

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 11.403, 47.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 34.986, 45.506 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, 56, 35)` looks like.

```
.text, #text, p{  
    color:rgb(116, 56, 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(116, 56, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 56, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 34.986, 45.506 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, 56, 35) }
```

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

```
.border{ border-color:rgb(116, 56, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 56, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 56, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 56, 35);  
box-shadow:4px 4px 4px 4px rgb(116, 56,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 34.986, 45.506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 56, 35) }
```

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

```
.background{ background-color: rgb(116, 56,  
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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