

Converting Colors

CIELCh(46, 37.202, 62.747)

Have a look what the booklet for
CIELCh(46, 37.202, 62.747) contains.

CIELCh(46, 37.133, 62.538)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(46, 37.133, 62.538)

Conversions

Conversions Part 1

Format	Color
Hex	966136
RGB	150, 97, 54
RGB Percent	59%, 38%, 21%
CMY	0.4122, 0.6200, 0.7886
CMYK	0.00, 0.35, 0.64, 0.41
HSL	27°, 47%, 40%
HSV	27°, 64%, 59%
XYZ	17.4848, 15.2687, 5.5036
YIQ	107.9450, 45.3910, -2.1370

Conversions

Conversions Part 2

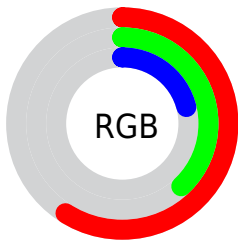
Format	Color
RYB	150, 132, 54
Decimal	9855286
CIELab	46.00, 17.12, 32.95
CIELCh	46, 37.133, 62.538
Yxy	15.2687, 0.4570, 0.3991
Android (android.graphics.Color)	4288045366 (0xFF966136)
YUV	107.9450, -26.5949, 36.8822
Hunter-Lab	39.0751, 11.4910, 19.0018

Details

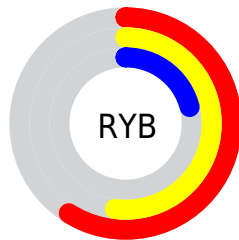
The CIELCh color **46, 37.133, 62.538** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **43, 28.942, 262.655**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 37.120, 62.851**, and **26, 37.070, 62.407** is the 20% darker color. If you saturate the color by 10%, you get **44, 43.731, 61.386**, and if you desaturate by 10%, it is **48, 30.589, 63.629**.

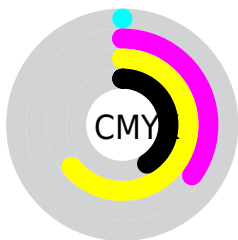
Distribution



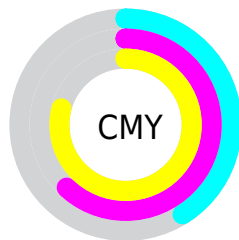
- Red (59%)
- Green (38%)
- Blue (21%)



- Red (59%)
- Yellow (52%)
- Blue (21%)



- Cyan (0%)
- Magenta (35%)
- Yellow (64%)
- Black (41%)



- Cyan (41%)
- Magenta (62%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 37.133, 62.538 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 46, 37.133, 62.538 by changing the saturation by 10% instead.

■ 46, 37.133, 62.538 ■ 46, 37.133, 62.538

■ 100, 37.133, 62.538 ■ 36, 37.133, 62.538

■ 66, 37.133, 62.538 ■ 26, 37.133, 62.538

■ 76, 37.133, 62.538 ■ 16, 37.133, 62.538

■ 86, 37.133, 62.538 ■ 6, 37.133, 62.538

■ 96, 37.133, 62.538 ■ 0, 37.133, 62.538

■ 46, 37.133, 62.538 ■ 46, 37.133, 62.538

■ 44, 43.731, 61.386 ■ 48, 30.589, 63.629

■ 42, 50.025, 60.021 ■ 51, 24.272, 64.708

40, 55.365, 58.170

53, 18.247, 65.797

39, 58.466, 57.183

56, 12.534, 66.894

58, 7.122, 67.986

61, 1.991, 68.976

64, 2.883, 250.353

66, 7.529, 251.360

69, 11.972,
252.394

Harmonies

Complementary

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



46, 37.133, 62.538



43, 28.942, 262.655

Rectangle

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



46, 37.133, 62.538



46, 37.133, 112.538



46, 37.133, 242.538



46, 37.133, 292.538

Sweetspot

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



46, 37.132, 62.542



72, 12.062, 67.405



38, 47.128, 346.881



37, 8.336, 67.121



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



46, 37.132, 62.542



55, 56.376, 60.813



59, 47.852, 101.059



30, 2.798, 68.499



36, 54.856, 57.493



1, 2.399, 69.579

Inverse Universe

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



43, 28.942, 262.655



51, 41.901, 268.090



30, 56.719, 297.845



30, 2.721, 250.749



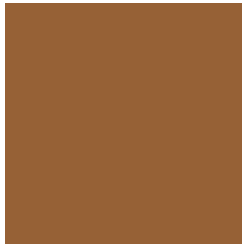
32, 40.218, 277.209



1, 2.399, 249.594

Previews

White Background



This preview shows how the CIE LCh color 46, 37.133, 62.538 looks on a white background.

Color Contrast Check

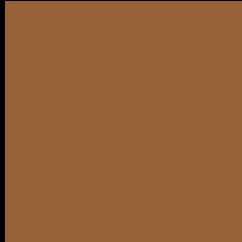
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 46, 37.133, 62.538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

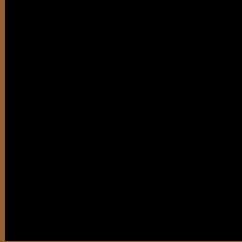
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 37.133, 62.538

Background



This preview shows how black text looks on a background with the CIELCh color 46, 37.133, 62.538.



This preview shows how white text looks on a background with the CIELCh color 46, 37.133, 62.538.

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

46, 37.133, 62.538

Protanopia

46, 30.107, 95.095

Deuteranopia

46, 34.122, 79.680



Tritanopia
46, 26.726, 14.502

Trichromacy



Original Color
46, 37.133, 62.538

Protanomaly
46, 31.133, 81.545

Deuteranomaly
46, 34.480, 72.742

Tritanomaly
46, 27.663, 36.005

Monochromacy



Original Color
46, 37.133, 62.538

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 12.798, 67.463

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 37.133, 62.538 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(150, 97, 54)` looks like.

```
.text, #text, p{  
    color:rgb(150, 97, 54)  
}
```

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(150, 97, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 97, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 37.133, 62.538 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(150, 97, 54) }
```

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

```
.border{ border-color:rgb(150, 97, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 97, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 97, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 97, 54);  
box-shadow:4px 4px 4px 4px rgb(150, 97,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 37.133, 62.538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 97, 54) }
```

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

```
.background{ background-color: rgb(150, 97,  
54) }
```

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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