

Converting Colors

CIELCh(41, 46.855, 30.729)

Have a look what the booklet for
CIELCh(41, 46.855, 30.729) contains.

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Color

CIELCh(41, 46.762, 30.648)

Conversions

Conversions Part 1

Format	Color
Hex	A3413C
RGB	163, 65, 60
RGB Percent	64%, 25%, 24%
CMY	0.3613, 0.7455, 0.7651
CMYK	0.00, 0.60, 0.63, 0.36
HSL	3°, 46%, 44%
HSV	3°, 63%, 64%
XYZ	17.7730, 11.8645, 5.6138
YIQ	93.7320, 60.0130, 19.2210

Conversions

Conversions Part 2

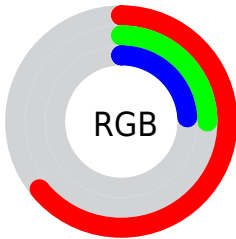
Format	Color
RYB	163, 65, 60
Decimal	10699068
CIELab	41.00, 40.23, 23.84
CIElCh	41, 46.762, 30.648
Yxy	11.8645, 0.5042, 0.3366
Android (android.graphics.Color)	4288889148 (0xFFA3413C)
YUV	93.7320, -16.6299, 60.7480
Hunter-Lab	34.4449, 31.8243, 14.4483

Details

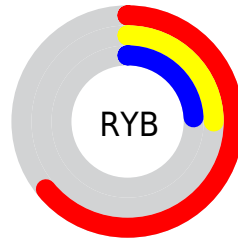
The CIELCh color **41, 46.762, 30.648** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **60, 28.716, 202.665**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 46.568, 31.176**, and **21, 46.451, 30.534** is the 20% darker color. If you saturate the color by 10%, you get **38, 55.226, 33.158**, and if you desaturate by 10%, it is **44, 38.303, 28.622**.

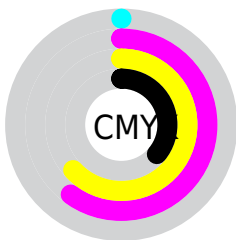
Distribution



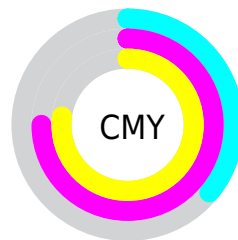
- Red (64%)
- Green (25%)
- Blue (24%)



- Red (64%)
- Yellow (25%)
- Blue (24%)



- Cyan (0%)
- Magenta (60%)
- Yellow (63%)
- Black (36%)



- Cyan (36%)
- Magenta (75%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 46.762, 30.648 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 41, 46.762, 30.648 by changing the saturation by 10% instead.

41, 46.762, 30.648

41, 46.762, 30.648

100, 46.762,
30.648

31, 46.762, 30.648

61, 46.762, 30.648

21, 46.762, 30.648

71, 46.762, 30.648

11, 46.762, 30.648

81, 46.762, 30.648

1, 46.762, 30.648

91, 46.762, 30.648

0, 46.762, 30.648

41, 46.762, 30.648

41, 46.762, 30.648

38, 55.226, 33.158

44, 38.303, 28.622

36, 63.294, 36.008

48, 30.099, 27.046

■ 34, 70.124, 38.669

■ 52, 22.304, 25.843

■ 34, 73.862, 40.416

■ 56, 14.997, 24.932

■ 61, 8.207, 24.231

■ 65, 1.923, 23.538

■ 70, 3.886, 203.536

■ 75, 9.263, 203.189

■ 79, 14.253,
202.969

Harmonies

Complementary

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



41, 46.762, 30.648



60, 28.716, 202.665

Rectangle

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



41, 46.762, 30.648



41, 46.762, 80.648



41, 46.762, 210.648



41, 46.762, 260.648

Sweetspot

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



41, 46.760, 30.651



74, 14.956, 24.640



44, 64.383, 328.560



38, 10.489, 24.843



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



41, 46.760, 30.651



49, 71.316, 34.329



52, 39.582, 70.742



32, 3.462, 23.988



30, 67.402, 40.048



1, 5.231, 23.230

Inverse Universe

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



60, 28.716, 202.665



75, 38.520, 203.065



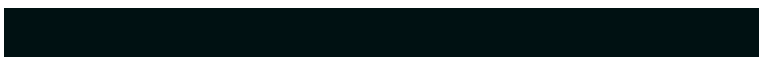
45, 34.500, 272.232



34, 3.266, 203.394



52, 30.935, 204.252



4, 5.133, 205.102

Previews

White Background



This preview shows how the CIELCh color 41, 46.762, 30.648 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 41, 46.762, 30.648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

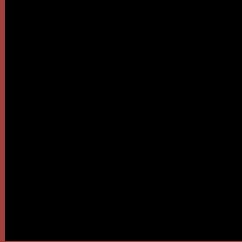
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 46.762, 30.648

Background



This preview shows how black text looks on a background with the CIELCh color 41, 46.762, 30.648.

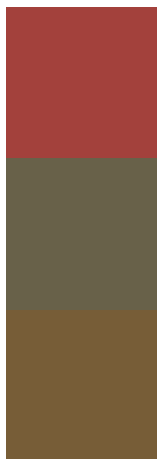


This preview shows how white text looks on a background with the CIELCh color 41, 46.762, 30.648.

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

41, 46.762, 30.648

Protanopia

41, 14.789, 95.471

Deuteranopia

41, 26.313, 77.942



Tritanopia
41, 45.416, 24.585

Trichromacy



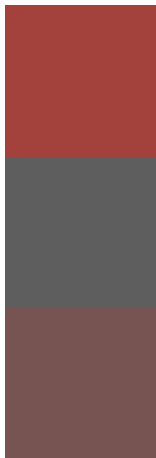
Original Color
41, 46.762, 30.648

Protanomaly
40, 21.978, 49.056

Deuteranomaly
41, 30.689, 52.071

Tritanomaly
41, 45.976, 26.711

Monochromacy



Original Color
41, 46.762, 30.648

Achromatopsia
40, 0.006, 296.813

Achromatomaly
39, 16.273, 23.874

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 46.762, 30.648 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(163, 65, 60)` looks like.

```
.text, #text, p{  
    color:rgb(163, 65, 60)  
}
```

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(163, 65, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 65, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 46.762, 30.648 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(163, 65, 60) }
```

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

```
.border{ border-color:rgb(163, 65, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 65, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 65, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 65, 60);  
box-shadow:4px 4px 4px 4px rgb(163, 65,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 46.762, 30.648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 65, 60) }
```

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

```
.background{ background-color: rgb(163, 65,  
60) }
```

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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