

Converting Colors

CIELCh(61, 42.852, 84.293)

Have a look what the booklet for
CIELCh(61, 42.852, 84.293) contains.

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Color

CIELCh(61, 42.996, 84.930)

Conversions

Conversions Part 1

Format	Color
Hex	B08F46
RGB	176, 143, 70
RGB Percent	69%, 56%, 27%
CMY	0.3105, 0.4398, 0.7261
CMYK	0.00, 0.19, 0.60, 0.31
HSL	41°, 43%, 48%
HSV	41°, 60%, 69%
XYZ	28.7652, 29.2481, 9.8991
YIQ	144.5450, 43.1010, -15.7070

Conversions

Conversions Part 2

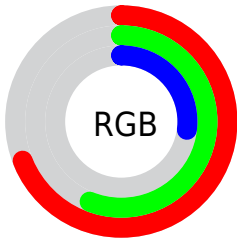
Format	Color
R_{YB}	118, 176, 70
Decimal	11571014
CIE _{Lab}	61.00, 3.80, 42.83
CIE _{LCh}	61, 42.996, 84.930
Yxy	29.2481, 0.4236, 0.4307
Android (android.graphics.Color)	4289761094 (0xFFB08F46)
YUV	144.5450, -36.7507, 27.5860
Hunter-Lab	54.0815, 0.2990, 27.0046

Details

The CIELCh color $61, 42.996, 84.930$ is a dark color, and the websafe version is hex `CC9966`. A complement of this color would be $44, 43.954, 284.517$, and the grayscale version is $60, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 42.971, 85.185$, and $41, 42.905, 85.197$ is the 20% darker color. If you saturate the color by 10%, you get $59, 49.699, 83.440$, and if you desaturate by 10%, it is $63, 35.883, 86.351$.

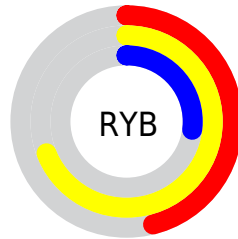
Distribution



Red (69%)

Green (56%)

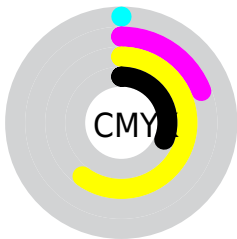
Blue (27%)



Red (46%)

Yellow (69%)

Blue (27%)

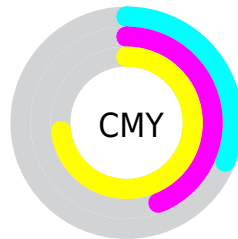


Cyan (0%)

Magenta (19%)

Yellow (60%)

Black (31%)



Cyan (31%)

Magenta (44%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 42.996, 84.930 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 61, 42.996, 84.930 by changing the saturation by 10% instead.

61, 42.996, 84.930

61, 42.996, 84.930

100, 42.996,
84.930

51, 42.996, 84.930

81, 42.996, 84.930

41, 42.996, 84.930

91, 42.996, 84.930

31, 42.996, 84.930

21, 42.996, 84.930

11, 42.996, 84.930

1, 42.996, 84.930

0, 42.996, 84.930

61, 42.996, 84.930

61, 42.996, 84.930

59, 49.699, 83.440

63, 35.883, 86.351

■ 58, 55.544, 81.811

■ 64, 28.624, 87.721

■ 56, 59.892, 79.931

■ 66, 21.367, 89.051

■ 55, 62.587, 77.834

■ 68, 14.187, 90.341

■ 70, 7.119, 91.581

■ 72, 0.179, 91.673

■ 74, 6.633, 274.017

■ 76, 13.319,
275.116

■ 78, 19.888,
276.174

Harmonies

Complementary

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



61, 42.996, 84.930



44, 43.954, 284.517

Rectangle

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



61, 42.996, 84.930



61, 42.996, 134.930



61, 42.996, 264.930



61, 42.996, 314.930

Sweetspot

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



61, 42.996, 84.934



87, 15.615, 90.588



45, 46.428, 3.621



45, 10.868, 90.227



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



61, 42.996, 84.934



75, 62.929, 82.971



68, 55.263, 113.430



36, 3.876, 91.699



47, 55.829, 78.193



5, 7.432, 85.179

Inverse Universe

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



44, 43.954, 284.517



51, 66.258, 288.558



37, 64.830, 303.540



34, 3.884, 274.066



24, 67.159, 297.214



2, 8.670, 276.976

Previews

White Background



This preview shows how the CIELCh color 61, 42.996, 84.930 looks on a white 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

Black Background



This preview shows how the CIE LCh color 61, 42.996, 84.930 looks on a black 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

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

CIELCh 61, 42.996, 84.930

Background



This preview shows how black text looks on a background with the CIELCh color 61, 42.996, 84.930.



This preview shows how white text looks on a background with the CIELCh color 61, 42.996, 84.930.

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


61, 42.996, 84.930

Protanopia

61, 42.355, 96.169

Deuteranopia

61, 43.108, 79.100



Tritanopia
61, 19.573, 5.015

Trichromacy



Original Color
61, 42.996, 84.930

Protanomaly
61, 42.166, 91.733

Deuteranomaly
61, 42.859, 80.970

Tritanomaly
61, 21.408, 52.028

Monochromacy



Original Color
61, 42.996, 84.930

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 15.984, 90.039

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 42.996, 84.930 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(176, 143, 70)` looks like.

```
.text, #text, p{  
    color:rgb(176, 143, 70)  
}
```

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(176, 143, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 143, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 42.996, 84.930 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(176, 143, 70) }
```

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

```
.border{ border-color:rgb(176, 143, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 143, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 143, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 143, 70);  
box-shadow:4px 4px 4px 4px rgb(176, 143,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 42.996, 84.930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 143, 70) }
```

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

```
.background{ background-color: rgb(176,  
143, 70) }
```

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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