

Converting Colors

CIELCh(61, 48.659, 75.046)

Have a look what the booklet for
CIELCh(61, 48.659, 75.046) contains.

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Color

CIELCh(61, 48.691, 74.883)

Conversions

Conversions Part 1

Format	Color
Hex	BE893E
RGB	190, 137, 62
RGB Percent	75%, 54%, 24%
CMY	0.2543, 0.4622, 0.7563
CMYK	0.00, 0.28, 0.67, 0.25
HSL	35°, 51%, 49%
HSV	35°, 67%, 75%
XYZ	31.1139, 29.2481, 8.5825
YIQ	144.2970, 55.6630, -12.0890

Conversions

Conversions Part 2

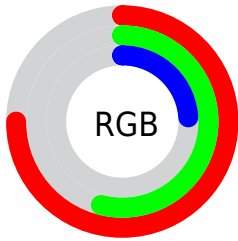
Format	Color
R_{YB}	152, 190, 62
Decimal	12486974
CIE Lab	61.00, 12.70, 47.01
CIE LCh	61, 48.691, 74.883
Yxy	29.2481, 0.4513, 0.4242
Android (android.graphics.Color)	4290677054 (0xFFBE893E)
YUV	144.2970, -40.5724, 40.0815
Hunter-Lab	54.0815, 8.0509, 28.4481

Details

The CIELCh color **61, 48.691, 74.883** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **48, 45.141, 278.861**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 48.635, 74.422**, and **41, 48.799, 74.486** is the 20% darker color. If you saturate the color by 10%, you get **59, 55.684, 73.211**, and if you desaturate by 10%, it is **63, 41.218, 76.402**.

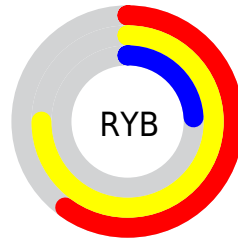
Distribution



Red (75%)

Green (54%)

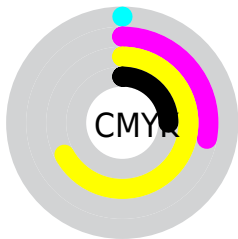
Blue (24%)



Red (60%)

Yellow (75%)

Blue (24%)

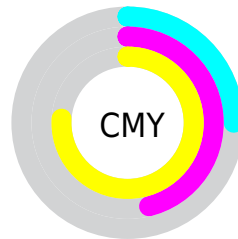


Cyan (0%)

Magenta (28%)

Yellow (67%)

Black (25%)



Cyan (25%)

Magenta (46%)

Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 48.691, 74.883 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, 48.691, 74.883 by changing the saturation by 10% instead.

61, 48.691, 74.883

61, 48.691, 74.883

100, 48.691,
74.883

51, 48.691, 74.883

81, 48.691, 74.883

41, 48.691, 74.883

91, 48.691, 74.883

31, 48.691, 74.883

21, 48.691, 74.883

11, 48.691, 74.883

1, 48.691, 74.883

0, 48.691, 74.883

61, 48.691, 74.883

61, 48.691, 74.883

59, 55.684, 73.211

63, 41.218, 76.402

57, 61.556, 71.216

65, 33.641, 77.837

55, 65.586, 68.691

68, 26.153, 79.225

54, 66.586, 68.020

70, 18.846, 80.576

73, 11.755, 81.888

75, 4.886, 83.139

78, 1.769, 264.607

80, 8.223, 265.678

83, 14.496,
266.814

Harmonies

Complementary

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



61, 48.691, 74.883



48, 45.141, 278.861

Rectangle

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



61, 48.691, 74.883



61, 48.691, 124.883



61, 48.691, 254.883



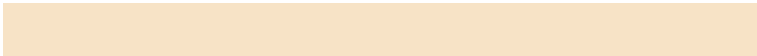
61, 48.691, 304.883

Sweetspot

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



61, 48.691, 74.886



91, 16.885, 81.499



47, 55.537, 357.985



48, 11.668, 81.126



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



61, 48.691, 74.886



74, 71.644, 72.271



74, 63.725, 108.305



39, 3.770, 82.895



46, 58.020, 68.543



6, 10.395, 69.648

Inverse Universe

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



48, 45.141, 278.861



55, 67.744, 284.433



35, 78.032, 302.553



38, 3.735, 265.398



30, 58.850, 290.891



3, 12.552, 274.517

Previews

White Background



This preview shows how the CIELCh color 61, 48.691, 74.883 looks on a white background.

Color Contrast Check

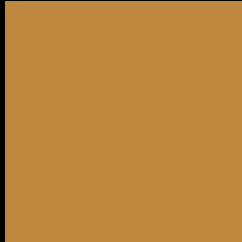
Large Text (above 18pt) WCAG AA ✓ Pass

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, 48.691, 74.883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

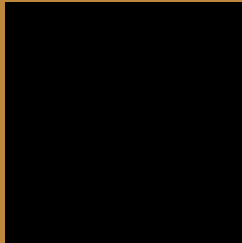
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 61, 48.691, 74.883

Background



This preview shows how black text looks on a background with the CIELCh color 61, 48.691, 74.883.



This preview shows how white text looks on a background with the CIELCh color 61, 48.691, 74.883.

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, 48.691, 74.883

Protanopia

61, 45.315, 95.805

Deuteranopia

61, 47.890, 80.486



Tritanopia
61, 27.741, 11.054

Trichromacy



Original Color
61, 48.691, 74.883

Protanomaly
61, 45.733, 87.570

Deutanomaly
61, 48.402, 78.336

Tritanomaly
61, 29.920, 44.567

Monochromacy



Original Color
61, 48.691, 74.883

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 17.751, 81.287

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 48.691, 74.883 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(190, 137, 62)` looks like.

```
.text, #text, p{  
    color:rgb(190, 137, 62)  
}
```

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(190, 137, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 137, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 48.691, 74.883 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(190, 137, 62) }
```

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

```
.border{ border-color:rgb(190, 137, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 137, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 137, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 137, 62);  
box-shadow:4px 4px 4px 4px rgb(190, 137,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 48.691, 74.883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 137, 62) }
```

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

```
.background{ background-color: rgb(190,  
137, 62) }
```

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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