

Converting Colors

CIELCh(60, 50.385, 74.887)

Have a look what the booklet for
CIELCh(60, 50.385, 74.887) contains.

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Color

CIELCh(60, 50.385, 74.887)

Conversions

Conversions Part 1

Format	Color
Hex	BC8638
RGB	188, 134, 56
RGB Percent	74%, 53%, 22%
CMY	0.2618, 0.4736, 0.7795
CMYK	0.00, 0.29, 0.70, 0.26
HSL	35°, 54%, 48%
HSV	35°, 70%, 74%
XYZ	30.0768, 28.1233, 7.6125
YIQ	141.2540, 57.2220, -12.8100

Conversions

Conversions Part 2

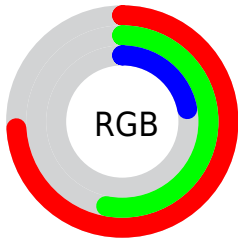
Format	Color
RYB	147, 188, 56
Decimal	12355128
CIELab	60.00, 13.14, 48.64
CIELCh	60, 50.385, 74.887
Yxy	28.1233, 0.4570, 0.4273
Android (android.graphics.Color)	4290545208 (0xFFBC8638)
YUV	141.2540, -42.0302, 40.9962
Hunter-Lab	53.0314, 8.4314, 28.6111

Details

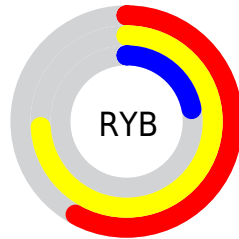
The CIELCh color **60, 50.385, 74.887** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **47, 47.057, 280.255**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 50.359, 74.623**, and **40, 50.060, 75.376** is the 20% darker color. If you saturate the color by 10%, you get **58, 57.058, 73.146**, and if you desaturate by 10%, it is **62, 43.074, 76.442**.

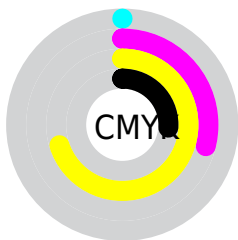
Distribution



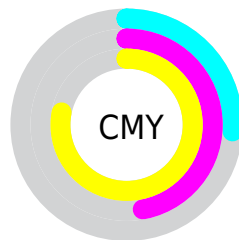
- Red (74%)
- Green (53%)
- Blue (22%)



- Red (58%)
- Yellow (74%)
- Blue (22%)



- Cyan (0%)
- Magenta (29%)
- Yellow (70%)
- Black (26%)



- Cyan (26%)
- Magenta (47%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 50.385, 74.887 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 60, 50.385, 74.887 by changing the saturation by 10% instead.

60, 50.385, 74.887

60, 50.385, 74.887

100, 50.385,
74.887

50, 50.385, 74.887

80, 50.385, 74.887

40, 50.385, 74.887

90, 50.385, 74.887

30, 50.385, 74.887

20, 50.385, 74.887

10, 50.385, 74.887

0, 50.385, 74.887

60, 50.385, 74.887

60, 50.385, 74.887

58, 57.058, 73.146

62, 43.074, 76.442

56, 62.383, 71.025

64, 35.567, 77.897

54, 66.023, 68.499

67, 28.098, 79.298

69, 20.782, 80.660

71, 13.667, 81.985

74, 6.769, 83.260

76, 0.082, 81.086

79, 6.406, 265.813

81, 12.712,
266.955

Harmonies

Complementary

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



60, 50.385, 74.887



47, 47.057, 280.255

Rectangle

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



60, 50.385, 74.887



60, 50.385, 124.887



60, 50.385, 254.887



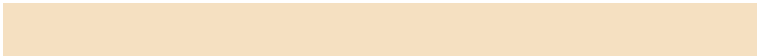
60, 50.385, 304.887

Sweetspot

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



60, 50.384, 74.890



90, 17.678, 81.828



45, 56.799, 358.706



47, 12.013, 81.465



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



60, 50.384, 74.890



73, 73.160, 72.099



73, 65.198, 108.177



39, 3.787, 83.356



46, 57.971, 68.991



7, 10.425, 70.236

Inverse Universe

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



47, 47.057, 280.255



53, 70.403, 286.026



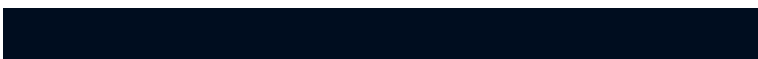
33, 80.770, 303.037



38, 3.753, 265.857



30, 59.379, 291.254



3, 12.609, 274.814

Previews

White Background



This preview shows how the CIELCh color 60, 50.385, 74.887 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 60, 50.385, 74.887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

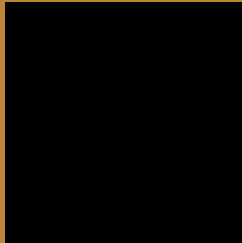
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 50.385, 74.887

Background



This preview shows how black text looks on a background with the CIELCh color 60, 50.385, 74.887.



This preview shows how white text looks on a background with the CIELCh color 60, 50.385, 74.887.

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

60, 50.385, 74.887

Protanopia

60, 46.776, 95.779

Deuteranopia

60, 49.710, 80.991



Tritanopia
60, 28.237, 12.479

Trichromacy



Original Color
60, 50.385, 74.887

Protanomaly
60, 47.194, 87.737

Deuteranomaly
60, 50.212, 78.904

Tritanomaly
60, 31.108, 45.973

Monochromacy



Original Color
60, 50.385, 74.887

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 18.336, 81.905

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 50.385, 74.887 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(188, 134, 56)` looks like.

```
.text, #text, p{  
    color:rgb(188, 134, 56)  
}
```

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(188, 134, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 134, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 50.385, 74.887 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(188, 134, 56) }
```

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

```
.border{ border-color:rgb(188, 134, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 134, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 134, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 134, 56);  
box-shadow:4px 4px 4px 4px rgb(188, 134,  
56) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 50.385, 74.887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 134, 56) }
```

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

```
.background{ background-color: rgb(188,  
134, 56) }
```

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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