

Converting Colors

CIELCh(60, 46.232, 83.319)

Have a look what the booklet for
CIELCh(60, 46.232, 83.319) contains.

CIELCh(60, 46.232, 83.319)	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(60, 46.232, 83.319)

Conversions

Conversions Part 1

Format	Color
Hex	B08B3D
RGB	176, 139, 61
RGB Percent	69%, 55%, 24%
CMY	0.3089, 0.4541, 0.7600
CMYK	0.00, 0.21, 0.65, 0.31
HSL	41°, 48%, 47%
HSV	41°, 65%, 69%
XYZ	28.0688, 28.1233, 8.3929
YIQ	141.1710, 47.0900, -16.4140

Conversions

Conversions Part 2

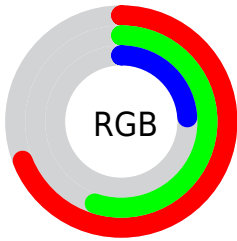
Format	Color
R_{YB}	116, 176, 61
Decimal	11569981
CIE Lab	60.00, 5.38, 45.92
CIE LCh	60, 46.232, 83.319
Yxy	28.1233, 0.4346, 0.4354
Android (android.graphics.Color)	4289760061 (0xFFB08B3D)
YUV	141.1710, -39.5243, 30.5450
Hunter-Lab	53.0314, 1.6725, 27.7386

Details

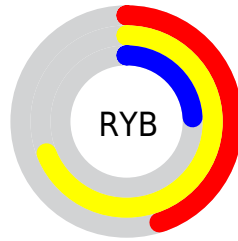
The CIELCh color **60, 46.232, 83.319** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **43, 47.232, 285.285**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 45.947, 83.228**, and **40, 46.088, 83.036** is the 20% darker color. If you saturate the color by 10%, you get **58, 52.615, 81.753**, and if you desaturate by 10%, it is **62, 39.266, 84.786**.

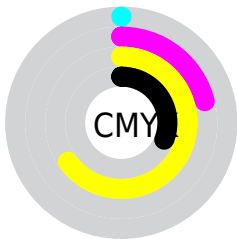
Distribution



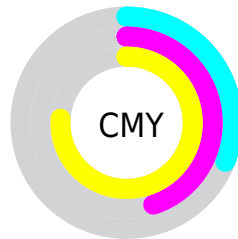
- Red (69%)
- Green (55%)
- Blue (24%)



- Red (45%)
- Yellow (69%)
- Blue (24%)



- Cyan (0%)
- Magenta (21%)
- Yellow (65%)
- Black (31%)



- Cyan (31%)
- Magenta (45%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 46.232, 83.319 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, 46.232, 83.319 by changing the saturation by 10% instead.

60, 46.232, 83.319

60, 46.232, 83.319

100, 46.232,
83.319

50, 46.232, 83.319

80, 46.232, 83.319

40, 46.232, 83.319

90, 46.232, 83.319

30, 46.232, 83.319

20, 46.232, 83.319

10, 46.232, 83.319

0, 46.232, 83.319

60, 46.232, 83.319

60, 46.232, 83.319

58, 52.615, 81.753

62, 39.266, 84.786

57, 57.863, 79.987

63, 32.062, 86.187

55, 61.303, 77.874

65, 24.815, 87.545

55, 62.619, 76.833

67, 17.626, 88.864

69, 10.547, 90.138

71, 3.599, 91.340

73, 3.214, 272.661

75, 9.893, 273.763

77, 16.447,
274.850

Harmonies

Complementary

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



60, 46.232, 83.319



43, 47.232, 285.285

Rectangle

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



60, 46.232, 83.319



60, 46.232, 133.319



60, 46.232, 263.319



60, 46.232, 313.319

Sweetspot

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



60, 46.232, 83.322



86, 17.211, 89.497



44, 50.028, 3.658



45, 11.761, 89.146



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



60, 46.232, 83.322



74, 66.929, 81.062



69, 59.014, 112.445



37, 3.928, 90.868



48, 56.443, 77.168



6, 8.518, 82.793

Inverse Universe

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



43, 47.232, 285.285



48, 71.163, 289.942



34, 70.704, 303.836



35, 3.932, 273.260



25, 66.988, 296.697



2, 10.232, 277.334

Previews

White Background



This preview shows how the CIELCh color 60, 46.232, 83.319 looks on a white background.

Color Contrast Check

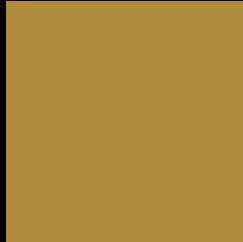
Large Text (above 18pt) WCAG AA ✓ Pass

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, 46.232, 83.319 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, 46.232, 83.319

Background



This preview shows how black text looks on a background with the CIELCh color 60, 46.232, 83.319.



This preview shows how white text looks on a background with the CIELCh color 60, 46.232, 83.319.

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, 46.232, 83.319

Protanopia

60, 44.921, 95.652

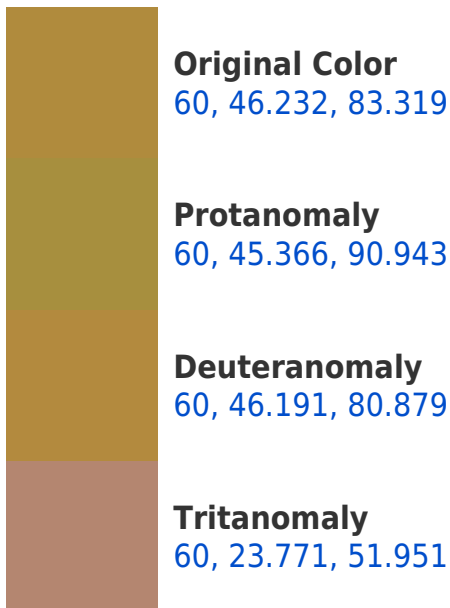
Deuteranopia

60, 46.410, 80.371



Tritanopia
60, 21.255, 6.566

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 46.232, 83.319 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, 139, 61)` looks like.

```
.text, #text, p{  
    color:rgb(176, 139, 61)  
}
```

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, 139, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 139, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 46.232, 83.319 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, 139, 61) }
```

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

```
.border{ border-color:rgb(176, 139, 61) }
```

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

Here you see how a box with a 4 pixel rgb(176, 139, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 139, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 139, 61);  
box-shadow:4px 4px 4px 4px rgb(176, 139,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 46.232, 83.319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 139, 61) }
```

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

```
.background{ background-color: rgb(176,  
139, 61) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor