

Converting Colors

CIELCh(60, 49.091, 83.620)

Have a look what the booklet for
CIELCh(60, 49.091, 83.620) contains.

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Color

CIELCh(60, 49.091, 83.620)

Conversions

Conversions Part 1

Format	Color
Hex	B18B37
RGB	177, 139, 55
RGB Percent	69%, 55%, 22%
CMY	0.3055, 0.4546, 0.7840
CMYK	0.00, 0.21, 0.69, 0.31
HSL	41°, 53%, 46%
HSV	41°, 69%, 69%
XYZ	28.0881, 28.1233, 7.5725
YIQ	140.7860, 49.6120, -18.0680

Conversions

Conversions Part 2

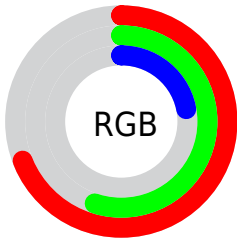
Format	Color
R_{YB}	110, 177, 55
Decimal	11635511
CIE _{Lab}	60.00, 5.46, 48.79
CIE _{LCh}	60, 49.091, 83.620
Yxy	28.1233, 0.4404, 0.4409
Android (android.graphics.Color)	4289825591 (0xFFB18B37)
YUV	140.7860, -42.2925, 31.7597
Hunter-Lab	53.0314, 1.7376, 28.6558

Details

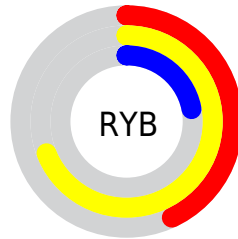
The CIELCh color **60, 49.091, 83.620** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **41, 51.050, 287.133**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 49.102, 83.280**, and **40, 48.224, 82.959** is the 20% darker color. If you saturate the color by 10%, you get **58, 55.120, 82.016**, and if you desaturate by 10%, it is **62, 42.272, 85.105**.

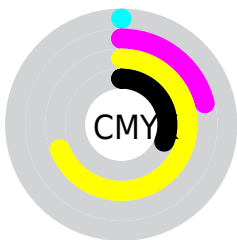
Distribution



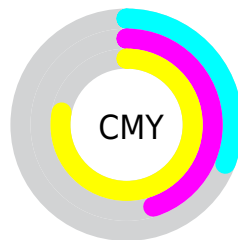
- Red (69%)
- Green (55%)
- Blue (22%)



- Red (43%)
- Yellow (69%)
- Blue (22%)



- Cyan (0%)
- Magenta (21%)
- Yellow (69%)
- Black (31%)



- Cyan (31%)
- Magenta (45%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 49.091, 83.620 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, 49.091, 83.620 by changing the saturation by 10% instead.

60, 49.091, 83.620

60, 49.091, 83.620

100, 49.091,
83.620

50, 49.091, 83.620

80, 49.091, 83.620

40, 49.091, 83.620

90, 49.091, 83.620

30, 49.091, 83.620

20, 49.091, 83.620

10, 49.091, 83.620

0, 49.091, 83.620

60, 49.091, 83.620

60, 49.091, 83.620

58, 55.120, 82.016

62, 42.272, 85.105

57, 59.737, 80.176

63, 35.085, 86.516

55, 62.605, 78.024

65, 27.779, 87.881

55, 62.917, 77.792

67, 20.488, 89.207

69, 13.281, 90.492

71, 6.191, 91.724

72, 0.771, 273.231

74, 7.602, 274.149

76, 14.309,
275.244

Harmonies

Complementary

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



60, 49.091, 83.620



41, 51.050, 287.133

Rectangle

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



60, 49.091, 83.620



60, 49.091, 133.620



60, 49.091, 263.620



60, 49.091, 313.620

Sweetspot

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



60, 49.091, 83.623



86, 18.264, 90.180



43, 52.435, 6.012



45, 12.379, 89.836



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, 49.091, 83.623



73, 70.273, 81.039



69, 61.955, 113.116



37, 3.969, 91.673



48, 56.515, 78.126



6, 8.609, 83.899

Inverse Universe

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



41, 51.050, 287.133



46, 77.439, 292.368



33, 75.015, 304.672



35, 3.977, 274.049



25, 68.063, 297.251



2, 10.321, 277.861

Previews

White Background



This preview shows how the CIELCh color 60, 49.091, 83.620 looks on a white background.

Color Contrast Check

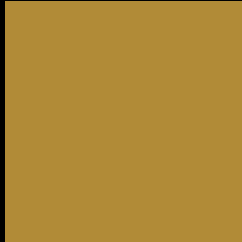
Large Text (above 18pt) WCAG AA ✓ Pass

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, 49.091, 83.620 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, 49.091, 83.620

Background



This preview shows how black text looks on a background with the CIELCh color 60, 49.091, 83.620.



This preview shows how white text looks on a background with the CIELCh color 60, 49.091, 83.620.

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, 49.091, 83.620

Protanopia

60, 47.682, 95.831

Deuteranopia

60, 49.065, 81.328



Tritanopia
60, 22.079, 7.257

Trichromacy



Original Color
60, 49.091, 83.620

Protanomaly
60, 48.095, 91.363

Deuteranomaly
60, 48.855, 81.816

Tritanomaly
60, 25.282, 52.884

Monochromacy



Original Color
60, 49.091, 83.620

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 17.960, 88.761

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 49.091, 83.620 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(177, 139, 55)` looks like.

```
.text, #text, p{  
    color:rgb(177, 139, 55)  
}
```

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(177, 139, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 139, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 49.091, 83.620 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(177, 139, 55) }
```

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

```
.border{ border-color:rgb(177, 139, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 139, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 139, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 139, 55);  
box-shadow:4px 4px 4px 4px rgb(177, 139,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 49.091, 83.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 139, 55) }
```

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

```
.background{ background-color: rgb(177,  
139, 55) }
```

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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