

Converting Colors

CIELCh(60, 55.049, 83.185)

Have a look what the booklet for
CIELCh(60, 55.049, 83.185) contains.

CIELCh(60, 55.125, 83.064)	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, 55.125, 83.064)

Conversions

Conversions Part 1

Format	Color
Hex	B48A29
RGB	180, 138, 41
RGB Percent	71%, 54%, 16%
CMY	0.2933, 0.4580, 0.8384
CMYK	0.00, 0.23, 0.77, 0.29
HSL	42°, 63%, 43%
HSV	42°, 77%, 71%
XYZ	28.3933, 28.1233, 6.0487
YIQ	139.5000, 56.1690, -21.2630

Conversions

Conversions Part 2

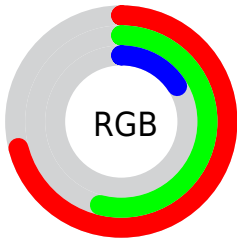
Format	Color
R_{YB}	101, 180, 41
Decimal	11831849
CIE _{Lab}	60.00, 6.66, 54.72
CIE _{LCh}	60, 55.125, 83.064
Yxy	28.1233, 0.4538, 0.4495
Android (android.graphics.Color)	4290021929 (0xFFB48A29)
YUV	139.5000, -48.5605, 35.5185
Hunter-Lab	53.0314, 2.7648, 30.3594

Details

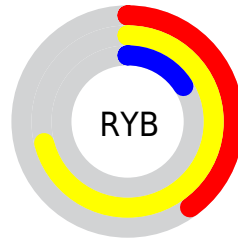
The CIELCh color **60, 55.125, 83.064** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **38, 59.421, 290.462**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 54.861, 83.063**, and **40, 48.534, 81.132** is the 20% darker color. If you saturate the color by 10%, you get **59, 60.044, 81.304**, and if you desaturate by 10%, it is **62, 48.864, 84.631**.

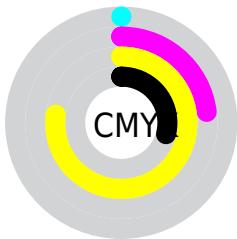
Distribution



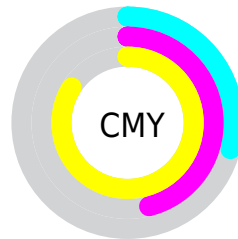
- Red (71%)
- Green (54%)
- Blue (16%)



- Red (40%)
- Yellow (71%)
- Blue (16%)



- Cyan (0%)
- Magenta (23%)
- Yellow (77%)
- Black (29%)



- Cyan (29%)
- Magenta (46%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 55.125, 83.064 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, 55.125, 83.064 by changing the saturation by 10% instead.

60, 55.125, 83.064

60, 55.125, 83.064

100, 55.125,
83.064

50, 55.125, 83.064

80, 55.125, 83.064

40, 55.125, 83.064

90, 55.125, 83.064

30, 55.125, 83.064

20, 55.125, 83.064

10, 55.125, 83.064

0, 55.125, 83.064

60, 55.125, 83.064

60, 55.125, 83.064

59, 60.044, 81.304

62, 48.864, 84.631

57, 63.058, 79.219

63, 41.865, 86.087

57, 63.819, 78.617

65, 34.525, 87.481

67, 27.077, 88.832

68, 19.648, 90.146

70, 12.303, 91.418

72, 5.073, 92.632

74, 2.033, 273.965

76, 9.012, 275.032

Harmonies

Complementary

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



60, 55.125, 83.064



38, 59.421, 290.462

Rectangle

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



60, 55.125, 83.064



60, 55.125, 133.064



60, 55.125, 263.064



60, 55.125, 313.064

Sweetspot

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



60, 55.125, 83.067



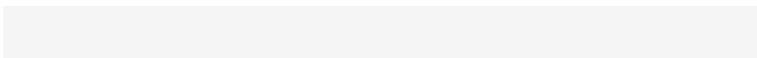
88, 20.576, 90.627



41, 57.946, 8.826



46, 14.270, 90.169



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



60, 55.125, 83.067



73, 76.056, 79.773



69, 68.057, 112.982



37, 4.006, 92.375



49, 56.594, 78.976



6, 8.694, 84.874

Inverse Universe

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



38, 59.421, 290.462



42, 90.584, 296.461



30, 84.995, 305.673



35, 4.018, 274.737



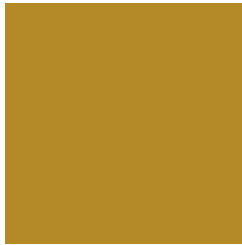
25, 69.015, 297.728



2, 10.401, 278.323

Previews

White Background



This preview shows how the CIELCh color 60, 55.125, 83.064 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, 55.125, 83.064 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, 55.125, 83.064

Background



This preview shows how black text looks on a background with the CIELCh color 60, 55.125, 83.064.



This preview shows how white text looks on a background with the CIELCh color 60, 55.125, 83.064.

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, 55.125, 83.064

Protanopia

60, 53.626, 95.566

Deuteranopia

60, 55.521, 82.182



Tritanopia
60, 24.109, 8.792

Trichromacy



Original Color
60, 55.125, 83.064

Protanomaly
60, 54.124, 91.062

Deuteranomaly
60, 55.321, 82.621

Tritanomaly
60, 29.058, 54.739

Monochromacy



Original Color
60, 55.125, 83.064

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 20.947, 88.548

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 55.125, 83.064 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(180, 138, 41)` looks like.

```
.text, #text, p{  
    color:rgb(180, 138, 41)  
}
```

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(180, 138, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 138, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 55.125, 83.064 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(180, 138, 41) }
```

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

```
.border{ border-color:rgb(180, 138, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 138, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 138, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 138, 41);  
box-shadow:4px 4px 4px 4px rgb(180, 138,  
41) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 55.125, 83.064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 138, 41) }
```

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

```
.background{ background-color: rgb(180,  
138, 41) }
```

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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