

Converting Colors

CIELCh(60, 81.831, 90.451)

Have a look what the booklet for
CIELCh(60, 81.831, 90.451) contains.

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Color

CIELCh(60, 64.668, 89.325)

Conversions

Conversions Part 1

Format	Color
Hex	AD8D00
RGB	173, 141, 0
RGB Percent	68%, 55%, 0%
CMY	0.3199, 0.4451, 1.0000
CMYK	0.00, 0.18, 1.00, 0.32
HSL	49°, 100%, 34%
HSV	49°, 100%, 68%
XYZ	26.9173, 28.1233, 3.9793
YIQ	134.4940, 64.3330, -37.0670

Conversions

Conversions Part 2

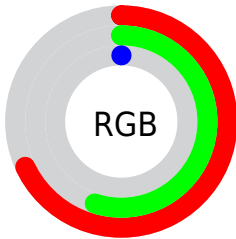
Format	Color
RYB	39, 173, 0
Decimal	11373824
CIELab	60.00, 0.76, 64.66
CIELCh	60, 64.668, 89.325
Yxy	28.1233, 0.4561, 0.4765
Android (android.graphics.Color)	4289563904 (0xFFAD8D00)
YUV	134.4940, -66.3055, 33.7698
Hunter-Lab	53.0314, -2.2033, 32.6731

Details

The CIELCh color **60, 64.668, 89.325** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **24, 88.789, 302.825**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 64.290, 88.943**, and **40, 47.621, 87.274** is the 20% darker color. If you saturate the color by 10%, you get **60, 64.503, 89.313**, and if you desaturate by 10%, it is **61, 62.339, 90.654**.

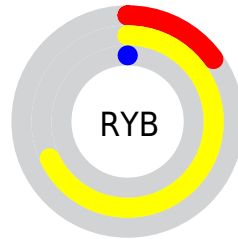
Distribution



Red (68%)

Green (55%)

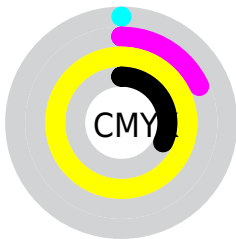
Blue (0%)



Red (15%)

Yellow (68%)

Blue (0%)

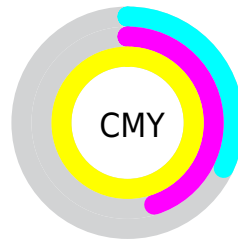


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (32%)



Cyan (32%)

Magenta (45%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 64.668, 89.325 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, 64.668, 89.325 by changing the saturation by 10% instead.

 60, 64.668, 89.325

 60, 64.668, 89.325

 100, 64.668,
89.325

 50, 64.668, 89.325

 80, 64.668, 89.325

 40, 64.668, 89.325

 90, 64.668, 89.325

 30, 64.668, 89.325

 20, 64.668, 89.325

 10, 64.668, 89.325

 0, 64.668, 89.325

 60, 64.668, 89.325

 60, 64.668, 89.325

 60, 64.503, 89.313

 61, 62.339, 90.654

 62, 58.492, 91.927

■ 63, 52.967, 93.150

■ 64, 46.326, 94.358

■ 65, 39.026, 95.559

■ 66, 31.373, 96.754

■ 67, 23.553, 97.936

■ 68, 15.679, 99.096

■ 70, 7.813, 100.223

Harmonies

Complementary

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



60, 64.668, 89.325



24, 88.789, 302.825

Rectangle

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



60, 64.668, 89.325



60, 64.668, 139.325



60, 64.668, 269.325



60, 64.668, 319.325

Sweetspot

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



60, 64.503, 89.313



85, 29.047, 97.875



36, 69.436, 29.175



44, 19.790, 97.396



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



60, 64.503, 89.313



76, 78.073, 89.043



65, 76.522, 119.812



36, 4.422, 100.300



53, 58.158, 89.489



6, 8.679, 97.050

Inverse Universe

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



24, 88.789, 302.825



32, 109.154, 303.242



23, 97.205, 308.368



34, 4.476, 282.440



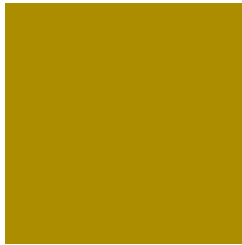
20, 79.207, 302.536



1, 9.699, 283.241

Previews

White Background



This preview shows how the CIELCh color 60, 64.668, 89.325 looks on a white background.

Color Contrast Check

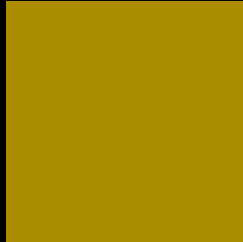
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 60, 64.668, 89.325 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, 64.668, 89.325

Background



This preview shows how black text looks on a background with the CIELCh color 60, 64.668, 89.325.



This preview shows how white text looks on a background with the CIELCh color 60, 64.668, 89.325.

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, 64.362, 89.242

Protanopia

60, 63.169, 95.279

Deuteranopia

60, 63.310, 82.936



Tritanopia
60, 20.437, 5.832

Trichromacy



Original Color
60, 64.362, 89.242

Protanomaly
60, 63.704, 93.132

Deuteranomaly
60, 63.830, 85.278

Tritanomaly
59, 32.333, 70.428

Monochromacy



Original Color
60, 64.362, 89.242

Achromatopsia
56, 0.007, 296.813

Achromatomaly
57, 29.118, 96.140

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 64.668, 89.325 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(173, 141, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 141, 0)  
}
```

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(173, 141, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 141, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 64.668, 89.325 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(173, 141, 0) }
```

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

```
.border{ border-color:rgb(173, 141, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 141, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 141, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 141, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 141,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 64.668, 89.325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 141, 0) }
```

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

```
.background{ background-color: rgb(173,  
141, 0) }
```

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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