

Converting Colors

CIELCh(60, 64.316, 90.667)

Have a look what the booklet for
CIELCh(60, 64.316, 90.667) contains.

CIELCh(60, 64.309, 90.546)	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, 64.309, 90.546)

Conversions

Conversions Part 1

Format	Color
Hex	AB8E01
RGB	171, 142, 1
RGB Percent	67%, 56%, 0%
CMY	0.3282, 0.4420, 0.9977
CMYK	0.00, 0.17, 1.00, 0.33
HSL	50°, 99%, 34%
HSV	50°, 100%, 67%
XYZ	26.5807, 28.1233, 4.0439
YIQ	134.5970, 62.5450, -37.7030

Conversions

Conversions Part 2

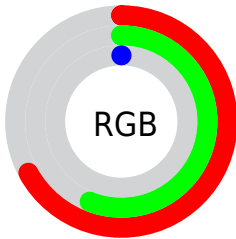
Format	Color
RYB	36, 171, 1
Decimal	11243009
CIELab	60.00, -0.61, 64.31
CIElCh	60, 64.309, 90.546
Yxy	28.1233, 0.4525, 0.4787
Android (android.graphics.Color)	4289433089 (0xFFAB8E01)
YUV	134.5970, -65.8633, 31.9254
Hunter-Lab	53.0314, -3.3365, 32.6008

Details

The CIELCh color **60, 64.309, 90.546** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **23, 88.907, 303.152**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 64.160, 90.537**, and **40, 47.509, 89.174** is the 20% darker color. If you saturate the color by 10%, you get **60, 64.380, 90.507**, and if you desaturate by 10%, it is **61, 62.141, 91.790**.

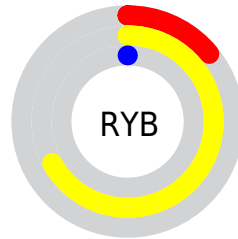
Distribution



Red (67%)

Green (56%)

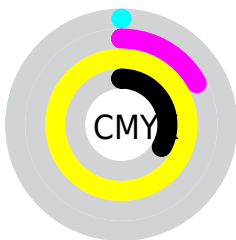
Blue (0%)



Red (14%)

Yellow (67%)

Blue (0%)

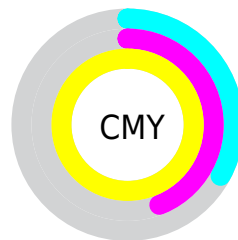


Cyan (0%)

Magenta (17%)

Yellow (100%)

Black (33%)



Cyan (33%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 64.309, 90.546 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, 64.309, 90.546 by changing the saturation by 10% instead.

60, 64.309, 90.546

60, 64.309, 90.546

100, 64.309,
90.546

50, 64.309, 90.546

80, 64.309, 90.546

40, 64.309, 90.546

90, 64.309, 90.546

30, 64.309, 90.546

20, 64.309, 90.546

10, 64.309, 90.546

0, 64.309, 90.546

60, 64.309, 90.546

60, 64.309, 90.546

60, 64.380, 90.507

61, 62.141, 91.790

62, 58.279, 92.986

63, 52.762, 94.156

64, 46.136, 95.324

65, 38.847, 96.495

66, 31.195, 97.665

67, 23.367, 98.826

68, 15.474, 99.968

69, 7.581, 101.079

Harmonies

Complementary

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



60, 64.309, 90.546



23, 88.907, 303.152

Rectangle

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



60, 64.309, 90.546



60, 64.309, 140.546



60, 64.309, 270.546



60, 64.309, 320.546

Sweetspot

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



60, 64.308, 90.548



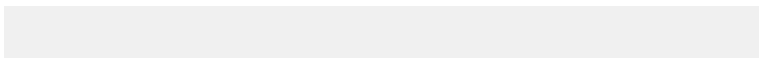
84, 29.168, 98.726



36, 69.354, 30.197



44, 20.052, 98.252



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, 64.308, 90.548



76, 77.958, 90.258



64, 76.118, 120.564



36, 4.487, 101.116



53, 58.567, 90.653



6, 8.847, 98.225

Inverse Universe

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



23, 88.907, 303.152



31, 109.616, 303.620



23, 95.859, 308.598



34, 4.547, 283.230



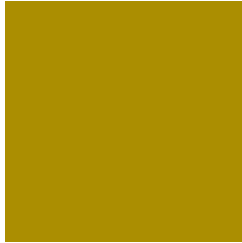
20, 80.354, 302.967



1, 9.819, 283.852

Previews

White Background



This preview shows how the CIELCh color 60, 64.309, 90.546 looks on a white background.

Color Contrast Check

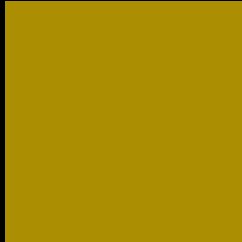
Large Text (above 18pt) WCAG AA ✓ Pass

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, 64.309, 90.546 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, 64.309, 90.546

Background



This preview shows how black text looks on a background with the CIELCh color 60, 64.309, 90.546.



This preview shows how white text looks on a background with the CIELCh color 60, 64.309, 90.546.

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, 64.153, 90.535

Protanopia

60, 63.320, 95.280

Deuteranopia

60, 62.949, 82.866



Tritanopia
60, 19.651, 5.069

Trichromacy



Original Color
60, 64.153, 90.535

Protanomaly
60, 63.616, 93.550

Deuteranomaly
60, 63.368, 85.633

Tritanomaly
60, 31.426, 72.359

Monochromacy



Original Color
60, 64.153, 90.535

Achromatopsia
56, 0.007, 296.813

Achromatomaly
57, 29.457, 97.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 64.309, 90.546 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(171, 142, 1)` looks like.

```
.text, #text, p{  
    color:rgb(171, 142, 1)  
}
```

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(171, 142, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 142, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 64.309, 90.546 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(171, 142, 1) }
```

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

```
.border{ border-color:rgb(171, 142, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 142, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 142, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 142, 1);  
box-shadow:4px 4px 4px 4px rgb(171, 142,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 64.309, 90.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 142, 1) }
```

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

```
.background{ background-color: rgb(171,  
142, 1) }
```

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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