

Converting Colors

CIELCh(61, 65.370, 89.763)

Have a look what the booklet for
CIELCh(61, 65.370, 89.763) contains.

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Color

CIELCh(61, 65.279, 89.489)

Conversions

Conversions Part 1

Format	Color
Hex	B09000
RGB	176, 144, 0
RGB Percent	69%, 56%, 0%
CMY	0.3091, 0.4346, 0.9986
CMYK	0.00, 0.18, 1.00, 0.31
HSL	49°, 100%, 35%
HSV	49°, 100%, 69%
XYZ	27.9460, 29.2481, 4.1825
YIQ	137.1520, 65.2960, -38.0000

Conversions

Conversions Part 2

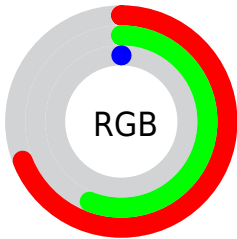
Format	Color
R_{YB}	39, 176, 0
Decimal	11571200
CIE _{Lab}	61.00, 0.58, 65.28
CIE _{LCh}	61, 65.279, 89.489
Yxy	29.2481, 0.4553, 0.4765
Android (android.graphics.Color)	4289761280 (0xFFB09000)
YUV	137.1520, -67.6159, 34.0697
Hunter-Lab	54.0815, -2.4049, 33.2718

Details

The CIELCh color **61, 65.279, 89.489** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **24, 89.949, 302.873**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 65.044, 89.162**, and **41, 48.597, 87.681** is the 20% darker color. If you saturate the color by 10%, you get **61, 65.321, 89.465**, and if you desaturate by 10%, it is **62, 63.114, 90.823**.

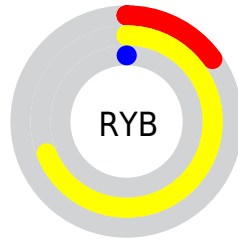
Distribution



Red (69%)

Green (56%)

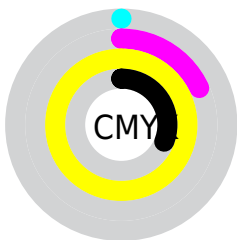
Blue (0%)



Red (15%)

Yellow (69%)

Blue (0%)

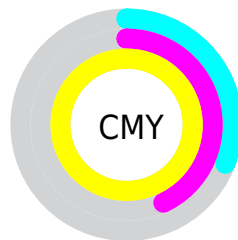


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (31%)



Cyan (31%)

Magenta (43%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 65.279, 89.489 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 61, 65.279, 89.489 by changing the saturation by 10% instead.

61, 65.279, 89.489

61, 65.279, 89.489

100, 65.279,
89.489

51, 65.279, 89.489

81, 65.279, 89.489

41, 65.279, 89.489

91, 65.279, 89.489

31, 65.279, 89.489

21, 65.279, 89.489

11, 65.279, 89.489

1, 65.279, 89.489

0, 65.279, 89.489

61, 65.279, 89.489

61, 65.279, 89.489

61, 65.321, 89.465

62, 63.114, 90.823

63, 59.202, 92.086

64, 53.590, 93.303

65, 46.850, 94.506

66, 39.443, 95.705

67, 31.677, 96.898

68, 23.743, 98.078

69, 15.752, 99.237

71, 7.769, 100.362

Harmonies

Complementary

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



61, 65.279, 89.489



24, 89.949, 302.873

Rectangle

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



61, 65.279, 89.489



61, 65.279, 139.489



61, 65.279, 269.489



61, 65.279, 319.489

Sweetspot

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



61, 65.278, 89.491



86, 29.638, 97.993



37, 70.962, 30.383



45, 20.196, 97.509



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



61, 65.278, 89.491



78, 79.475, 89.196



66, 77.771, 120.606



37, 4.539, 100.414



53, 58.928, 89.635



7, 10.114, 96.611

Inverse Universe

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



24, 89.949, 302.873



33, 111.351, 303.331



24, 97.971, 308.580



35, 4.596, 282.559



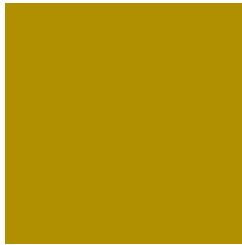
21, 80.454, 302.636



2, 11.499, 283.750

Previews

White Background



This preview shows how the CIE LCh color 61, 65.279, 89.489 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 61, 65.279, 89.489 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 61, 65.279, 89.489

Background



This preview shows how black text looks on a background with the CIELCh color 61, 65.279, 89.489.



This preview shows how white text looks on a background with the CIELCh color 61, 65.279, 89.489.

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

61, 65.279, 89.489

Protanopia

61, 64.144, 95.420

Deuteranopia

61, 64.065, 83.273



Tritanopia
61, 20.777, 6.157

Trichromacy



Original Color
61, 65.279, 89.489

Protanomaly
61, 64.511, 93.307

Deuteranomaly
61, 64.449, 85.972

Tritanomaly
61, 32.645, 70.997

Monochromacy



Original Color
61, 65.279, 89.489

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 30.002, 97.284

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 65.279, 89.489 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, 144, 0)` looks like.

```
.text, #text, p{  
    color:rgb(176, 144, 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(176, 144, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 144, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 65.279, 89.489 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, 144, 0) }
```

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

```
.border{ border-color:rgb(176, 144, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 144, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 144, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 144, 0);  
box-shadow:4px 4px 4px 4px rgb(176, 144,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 65.279, 89.489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 144, 0) }
```

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

```
.background{ background-color: rgb(176,  
144, 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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