

Converting Colors

CIELCh(61, 63.773, 88.935)

Have a look what the booklet for
CIELCh(61, 63.773, 88.935) contains.

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Color

CIELCh(61, 63.773, 88.935)

Conversions

Conversions Part 1

Format	Color
Hex	B1900B
RGB	177, 144, 11
RGB Percent	69%, 56%, 4%
CMY	0.3066, 0.4359, 0.9582
CMYK	0.00, 0.19, 0.94, 0.31
HSL	48°, 89%, 37%
HSV	48°, 94%, 69%
XYZ	28.0984, 29.2481, 4.4705
YIQ	138.7050, 62.3610, -34.3670

Conversions

Conversions Part 2

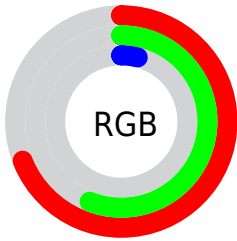
Format	Color
RYB	52, 177, 11
Decimal	11636747
CIELab	61.00, 1.19, 63.76
CIELCh	61, 63.773, 88.935
Yxy	29.2481, 0.4545, 0.4731
Android (android.graphics.Color)	4289826827 (0xFFB1900B)
YUV	138.7050, -62.9586, 33.5847
Hunter-Lab	54.0815, -1.9020, 32.9561

Details

The CIELCh color **61, 63.773, 88.935** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **27, 83.766, 300.928**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 63.591, 88.576**, and **41, 48.751, 87.111** is the 20% darker color. If you saturate the color by 10%, you get **60, 64.992, 88.063**, and if you desaturate by 10%, it is **62, 60.676, 90.334**.

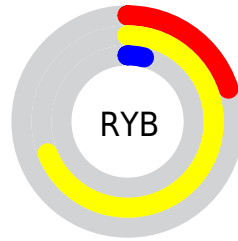
Distribution



Red (69%)

Green (56%)

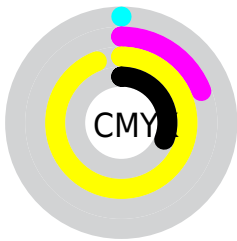
Blue (4%)



Red (20%)

Yellow (69%)

Blue (4%)

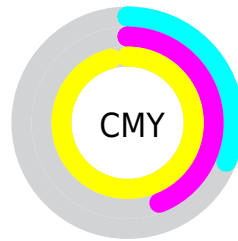


Cyan (0%)

Magenta (19%)

Yellow (94%)

Black (31%)



Cyan (31%)

Magenta (44%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 63.773, 88.935 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, 63.773, 88.935 by changing the saturation by 10% instead.

 61, 63.773, 88.935

 61, 63.773, 88.935

 100, 63.773,
88.935

 51, 63.773, 88.935

 81, 63.773, 88.935

 41, 63.773, 88.935

 91, 63.773, 88.935

 31, 63.773, 88.935

 21, 63.773, 88.935

 11, 63.773, 88.935

 1, 63.773, 88.935

 0, 63.773, 88.935

 61, 63.773, 88.935

 61, 63.773, 88.935

 60, 64.992, 88.063

 62, 60.676, 90.334

63, 55.664, 91.635

64, 49.316, 92.892

65, 42.156, 94.130

66, 34.553, 95.355

68, 26.736, 96.565

69, 18.841, 97.755

70, 10.946, 98.914

72, 3.094, 100.012

Harmonies

Complementary

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



61, 63.773, 88.935



27, 83.766, 300.928

Rectangle

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



61, 63.773, 88.935



61, 63.773, 138.935



61, 63.773, 268.935



61, 63.773, 318.935

Sweetspot

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



61, 63.772, 88.938



86, 27.228, 97.222



37, 67.516, 26.248



45, 18.785, 96.718



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, 63.772, 88.938



77, 78.866, 87.768



66, 76.001, 119.307



37, 4.461, 99.437



53, 58.477, 88.256



7, 9.887, 95.139

Inverse Universe

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



27, 83.766, 300.928



33, 109.537, 302.843



25, 95.532, 308.361



35, 4.513, 281.613



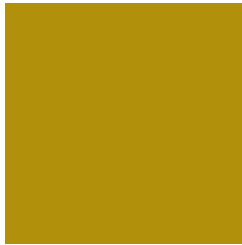
21, 79.053, 302.105



2, 11.344, 283.075

Previews

White Background



This preview shows how the CIELCh color 61, 63.773, 88.935 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, 63.773, 88.935 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, 63.773, 88.935

Background



This preview shows how black text looks on a background with the CIELCh color 61, 63.773, 88.935.



This preview shows how white text looks on a background with the CIELCh color 61, 63.773, 88.935.

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, 63.773, 88.935

Protanopia

61, 63.243, 95.416

Deuteranopia

61, 63.501, 83.168



Tritanopia
61, 20.777, 6.157

Trichromacy



Original Color
61, 63.773, 88.935

Protanomaly
61, 63.244, 92.791

Deuteranomaly
61, 63.494, 84.926

Tritanomaly
61, 30.805, 69.015

Monochromacy



Original Color
61, 63.773, 88.935

Achromatopsia
58, 0.007, 296.813

Achromatomaly
59, 27.915, 96.018

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 63.773, 88.935 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, 144, 11)` looks like.

```
.text, #text, p{  
    color:rgb(177, 144, 11)  
}
```

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, 144, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 144, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 63.773, 88.935 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, 144, 11) }
```

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

```
.border{ border-color:rgb(177, 144, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 144, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 144, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 144, 11);  
box-shadow:4px 4px 4px 4px rgb(177, 144,  
11) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 63.773, 88.935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 144, 11) }
```

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

```
.background{ background-color: rgb(177,  
144, 11) }
```

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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