

Converting Colors

CIELCh(60, 82.025, 88.168)

Have a look what the booklet for
CIELCh(60, 82.025, 88.168) contains.

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Color

CIELCh(60, 64.887, 86.743)

Conversions

Conversions Part 1

Format	Color
Hex	B28C00
RGB	178, 140, 0
RGB Percent	70%, 55%, 0%
CMY	0.3030, 0.4518, 1.0000
CMYK	0.00, 0.21, 1.00, 0.30
HSL	47°, 100%, 35%
HSV	47°, 100%, 70%
XYZ	27.6430, 28.1233, 3.9580
YIQ	135.4020, 67.5880, -35.4840

Conversions

Conversions Part 2

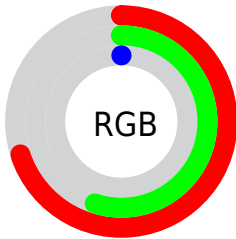
Format	Color
RYB	48, 178, 0
Decimal	11701248
CIELab	60.00, 3.69, 64.78
CIELCh	60, 64.887, 86.743
Yxy	28.1233, 0.4628, 0.4709
Android (android.graphics.Color)	4289891328 (0xFFB28C00)
YUV	135.4020, -66.7532, 37.3584
Hunter-Lab	53.0314, 0.2394, 32.6969

Details

The CIELCh color **60, 64.887, 86.743** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **26, 87.714, 301.905**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 64.783, 86.620**, and **40, 48.155, 84.248** is the 20% darker color. If you saturate the color by 10%, you get **60, 64.815, 86.736**, and if you desaturate by 10%, it is **61, 62.577, 88.289**.

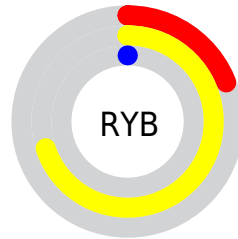
Distribution



Red (70%)

Green (55%)

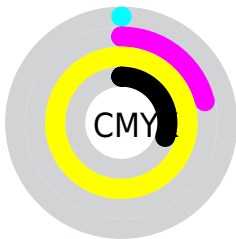
Blue (0%)



Red (19%)

Yellow (70%)

Blue (0%)

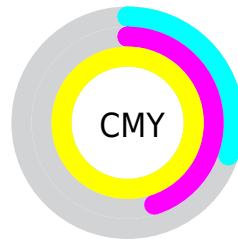


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (30%)



Cyan (30%)

Magenta (45%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 64.887, 86.743 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, 64.887, 86.743 by changing the saturation by 10% instead.

 60, 64.887, 86.743

 60, 64.887, 86.743

 100, 64.887,
86.743

 50, 64.887, 86.743

 80, 64.887, 86.743

 40, 64.887, 86.743

 90, 64.887, 86.743

 30, 64.887, 86.743

 20, 64.887, 86.743

 10, 64.887, 86.743

 0, 64.887, 86.743

 60, 64.887, 86.743

 60, 64.887, 86.743

 60, 64.815, 86.736

 61, 62.577, 88.289

 62, 58.605, 89.719

63, 52.950, 91.053

64, 46.208, 92.340

66, 38.847, 93.603

67, 31.172, 94.848

68, 23.365, 96.071

70, 15.531, 97.268

71, 7.730, 98.426

Harmonies

Complementary

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



60, 64.887, 86.743



26, 87.714, 301.905

Rectangle

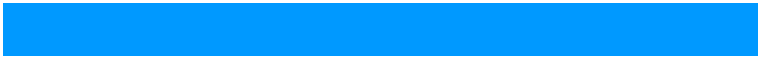
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



60, 64.887, 86.743



60, 64.887, 136.743



60, 64.887, 266.743



60, 64.887, 316.743

Sweetspot

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



60, 64.815, 86.736



87, 29.023, 96.008



37, 70.027, 28.004



46, 19.972, 95.500



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, 64.815, 86.736



77, 79.004, 86.409



67, 77.556, 119.023



37, 4.391, 98.502



52, 58.094, 86.956



6, 9.687, 93.739

Inverse Universe

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



26, 87.714, 301.905



34, 108.731, 302.370



23, 99.293, 308.141



35, 4.437, 280.706



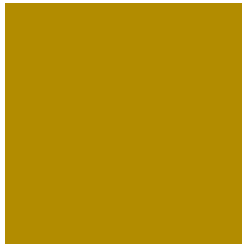
21, 77.703, 301.576



2, 11.202, 282.432

Previews

White Background



This preview shows how the CIELCh color 60, 64.887, 86.743 looks on a white background.

Color Contrast Check

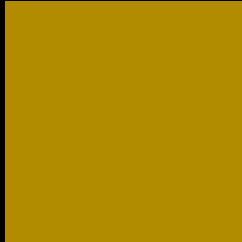
Large Text (above 18pt) WCAG AA ✓ Pass

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, 64.887, 86.743 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, 64.887, 86.743

Background



This preview shows how black text looks on a background with the CIELCh color 60, 64.887, 86.743.



This preview shows how white text looks on a background with the CIELCh color 60, 64.887, 86.743.

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, 64.887, 86.743

Protanopia

60, 63.093, 94.854

Deuteranopia

60, 63.792, 83.028



Tritanopia
60, 22.876, 7.889

Trichromacy



Original Color
60, 64.887, 86.743

Protanomaly
60, 63.525, 91.809

Deuteranomaly
60, 64.163, 84.425

Tritanomaly
60, 33.902, 67.473

Monochromacy



Original Color
60, 64.887, 86.743

Achromatopsia
56, 0.007, 296.813

Achromatomaly
57, 29.311, 94.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 64.887, 86.743 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(178, 140, 0)` looks like.

```
.text, #text, p{  
    color:rgb(178, 140, 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(178, 140, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 140, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 64.887, 86.743 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(178, 140, 0) }
```

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

```
.border{ border-color:rgb(178, 140, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 140, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 140, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 140, 0);  
box-shadow:4px 4px 4px 4px rgb(178, 140,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 64.887, 86.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 140, 0) }
```

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

```
.background{ background-color: rgb(178,  
140, 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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