

Converting Colors

CIELCh(64, 68.105, 88.957)

Have a look what the booklet for
CIELCh(64, 68.105, 88.957) contains.

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Color

CIELCh(64, 67.957, 89.345)

Conversions

Conversions Part 1

Format	Color
Hex	BA9800
RGB	186, 152, 0
RGB Percent	73%, 60%, 0%
CMY	0.2715, 0.4047, 1.0000
CMYK	0.00, 0.18, 1.00, 0.27
HSL	49°, 100%, 36%
HSV	49°, 100%, 73%
XYZ	31.3882, 32.8017, 4.6641
YIQ	144.8380, 69.0560, -40.0640

Conversions

Conversions Part 2

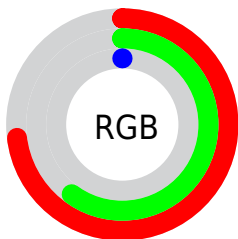
Format	Color
RYB	42, 186, 0
Decimal	12228608
CIELab	64.00, 0.78, 67.95
CIELCh	64, 67.957, 89.345
Yxy	32.8017, 0.4559, 0.4764
Android (android.graphics.Color)	4290418688 (0xFFBA9800)
YUV	144.8380, -71.4051, 36.0991
Hunter-Lab	57.2727, -2.4008, 35.2626

Details

The CIELCh color **64, 67.957, 89.345** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **26, 93.948, 302.987**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 67.811, 89.474**, and **44, 51.330, 88.136** is the 20% darker color. If you saturate the color by 10%, you get **64, 67.894, 89.342**, and if you desaturate by 10%, it is **65, 65.781, 90.693**.

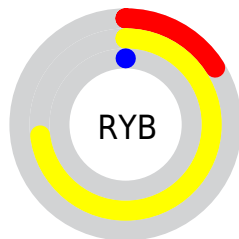
Distribution



Red (73%)

Green (60%)

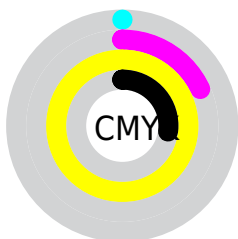
Blue (0%)



Red (16%)

Yellow (73%)

Blue (0%)

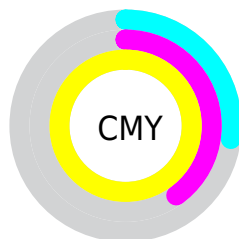


Cyan (0%)

Magenta (18%)

Yellow (100%)

Black (27%)



Cyan (27%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 67.957, 89.345 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 64, 67.957, 89.345 by changing the saturation by 10% instead.

 64, 67.957, 89.345

 64, 67.957, 89.345

 100, 67.957,
89.345

 54, 67.957, 89.345

 84, 67.957, 89.345

 44, 67.957, 89.345

 94, 67.957, 89.345

 34, 67.957, 89.345

 24, 67.957, 89.345

 14, 67.957, 89.345

 4, 67.957, 89.345

 0, 67.957, 89.345

 64, 67.957, 89.345

 64, 67.957, 89.345

 64, 67.894, 89.342

 65, 65.781, 90.693

66, 61.804, 91.969

67, 56.017, 93.195

68, 49.023, 94.405

69, 41.312, 95.610

70, 33.217, 96.809

71, 24.942, 97.995

73, 16.605, 99.160

74, 8.275, 100.292

Harmonies

Complementary

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



64, 67.957, 89.345



26, 93.948, 302.987

Rectangle

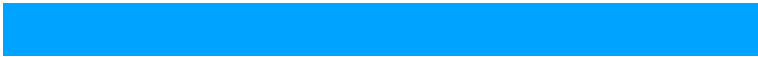
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 67.957, 89.345



64, 67.957, 139.345



64, 67.957, 269.345



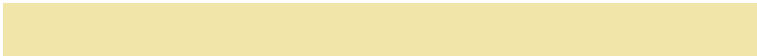
64, 67.957, 319.345

Sweetspot

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



64, 67.894, 89.342



91, 30.945, 97.936



39, 74.073, 30.699



48, 21.280, 97.435



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



64, 67.894, 89.342



81, 82.734, 89.083



69, 80.982, 120.680



38, 4.642, 100.366



54, 59.618, 89.551



8, 11.640, 96.000

Inverse Universe

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



26, 93.948, 302.987



34, 116.185, 303.380



25, 102.062, 308.546



36, 4.700, 282.520



21, 81.467, 302.648



2, 13.347, 284.237

Previews

White Background



This preview shows how the CIELCh color 64, 67.957, 89.345 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 64, 67.957, 89.345 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 67.957, 89.345

Background



This preview shows how black text looks on a background with the CIELCh color 64, 67.957, 89.345.



This preview shows how white text looks on a background with the CIELCh color 64, 67.957, 89.345.

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

64, 67.957, 89.345

Protanopia

64, 66.654, 95.376

Deuteranopia

64, 66.766, 82.977



Tritanopia
64, 21.858, 5.624

Trichromacy



Original Color
64, 67.957, 89.345

Protanomaly
64, 66.908, 92.917

Deuteranomaly
64, 67.079, 85.538

Tritanomaly
63, 34.081, 70.354

Monochromacy



Original Color
64, 67.957, 89.345

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 30.997, 96.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 67.957, 89.345 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(186, 152, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 152, 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(186, 152, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 152, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 67.957, 89.345 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(186, 152, 0) }
```

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

```
.border{ border-color:rgb(186, 152, 0) }
```

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

Here you see how a box with a 4 pixel rgb(186, 152, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 152, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 152, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 152,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 67.957, 89.345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 152, 0) }
```

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

```
.background{ background-color: rgb(186,  
152, 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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