

Converting Colors

CIELCh(63, 67.146, 97.303)

Have a look what the booklet for
CIELCh(63, 67.146, 97.303) contains.

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Color

CIELCh(63, 66.832, 97.270)

Conversions

Conversions Part 1

Format	Color
Hex	A89A01
RGB	168, 154, 1
RGB Percent	66%, 60%, 0%
CMY	0.3397, 0.3948, 0.9970
CMYK	0.00, 0.08, 1.00, 0.34
HSL	55°, 99%, 33%
HSV	55°, 100%, 66%
XYZ	27.8406, 31.5869, 4.6508
YIQ	140.7440, 57.4570, -44.6150

Conversions

Conversions Part 2

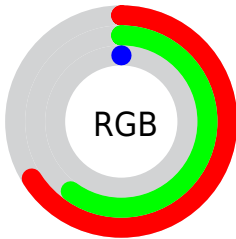
Format	Color
RYB	16, 168, 1
Decimal	11049473
CIELab	63.00, -8.46, 66.29
CIELCh	63, 66.832, 97.270
Yxy	31.5869, 0.4345, 0.4929
Android (android.graphics.Color)	4289239553 (0xFFA89A01)
YUV	140.7440, -68.8938, 23.9035
Hunter-Lab	56.2022, -9.9315, 34.4352

Details

The CIELCh color **63, 66.832, 97.270** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **21, 93.799, 305.077**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 66.559, 97.220**, and **43, 49.954, 98.271** is the 20% darker color. If you saturate the color by 10%, you get **63, 66.922, 97.243**, and if you desaturate by 10%, it is **63, 64.695, 97.952**.

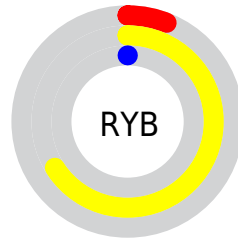
Distribution



Red (66%)

Green (60%)

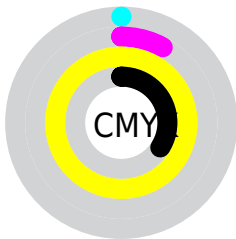
Blue (0%)



Red (6%)

Yellow (66%)

Blue (0%)

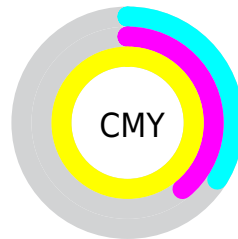


Cyan (0%)

Magenta (8%)

Yellow (100%)

Black (34%)



Cyan (34%)

Magenta (39%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 66.832, 97.270 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 63, 66.832, 97.270 by changing the saturation by 10% instead.

■ 63, 66.832, 97.270

■ 63, 66.832, 97.270

■ 100, 66.832,
97.270

■ 53, 66.832, 97.270

■ 83, 66.832, 97.270

■ 43, 66.832, 97.270

■ 93, 66.832, 97.270

■ 33, 66.832, 97.270

■ 23, 66.832, 97.270

■ 13, 66.832, 97.270

■ 3, 66.832, 97.270

■ 0, 66.832, 97.270

■ 63, 66.832, 97.270

■ 63, 66.832, 97.270

■ 63, 66.922, 97.243

■ 63, 64.695, 97.952

■ 64, 60.900, 98.710

■ 64, 55.408, 99.561

■ 65, 48.695,
100.491

■ 65, 41.189,
101.478

■ 66, 33.204,
102.501

■ 67, 24.947,
103.541

■ 67, 16.547,
104.581

■ 68, 8.086, 105.606

Harmonies

Complementary

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



63, 66.832, 97.270



21, 93.799, 305.077

Rectangle

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



63, 66.832, 97.270



63, 66.832, 147.270



63, 66.832, 277.270



63, 66.832, 327.270

Sweetspot

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



63, 66.831, 97.272



85, 31.388, 103.437



35, 72.157, 35.371



44, 21.341, 103.017



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



63, 66.831, 97.272



80, 81.414, 97.132



62, 77.135, 124.194



35, 4.789, 105.633



56, 60.880, 97.306



5, 8.482, 105.067

Inverse Universe

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



21, 93.799, 305.077



28, 115.578, 305.385



24, 93.081, 309.946



33, 4.875, 287.587



17, 85.007, 304.964



1, 8.877, 287.120

Previews

White Background



This preview shows how the CIELCh color 63, 66.832, 97.270 looks on a white background.

Color Contrast Check

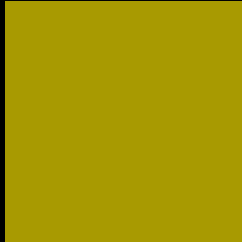
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 63, 66.832, 97.270 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 63, 66.832, 97.270

Background



This preview shows how black text looks on a background with the CIELCh color 63, 66.832, 97.270.

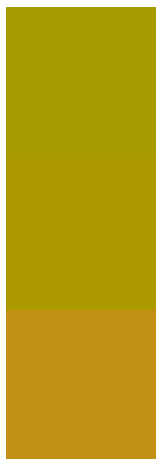


This preview shows how white text looks on a background with the CIELCh color 63, 66.832, 97.270.

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

63, 66.689, 97.274

Protanopia

63, 66.815, 95.246

Deuteranopia

63, 64.613, 82.858



Tritanopia
63, 15.219, 354.981

Trichromacy



Original Color
63, 66.689, 97.274

Protanomaly
63, 66.748, 95.643

Deuteranomaly
63, 64.973, 88.038

Tritanomaly
62, 29.340, 83.303

Monochromacy



Original Color
63, 66.689, 97.274

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 31.069, 102.539

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 66.832, 97.270 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(168, 154, 1)` looks like.

```
.text, #text, p{  
    color:rgb(168, 154, 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(168, 154, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 154, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 66.832, 97.270 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(168, 154, 1) }
```

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

```
.border{ border-color:rgb(168, 154, 1) }
```

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

Here you see how a box with a 4 pixel rgb(168, 154, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 154, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 154, 1);  
box-shadow:4px 4px 4px 4px rgb(168, 154,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 66.832, 97.270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 154, 1) }
```

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

```
.background{ background-color: rgb(168,  
154, 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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