

Converting Colors

CIELCh(63, 37.297, 50.734)

Have a look what the booklet for
CIELCh(63, 37.297, 50.734) contains.

CIELCh(63, 37.297, 50.734)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(63, 37.297, 50.734)

Conversions

Conversions Part 1

Format	Color
Hex	CE8766
RGB	206, 135, 102
RGB Percent	81%, 53%, 40%
CMY	0.1905, 0.4690, 0.5986
CMYK	0.00, 0.34, 0.50, 0.19
HSL	19°, 52%, 61%
HSV	19°, 50%, 81%
XYZ	36.7091, 31.5869, 16.8285
YIQ	152.4670, 52.9090, 4.7890

Conversions

Conversions Part 2

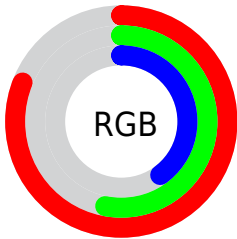
Format	Color
R _Y B	206, 150, 102
Decimal	13535078
CIE Lab	63.00, 23.61, 28.88
CIE LCh	63, 37.297, 50.734
Yxy	31.5869, 0.4312, 0.3711
Android (android.graphics.Color)	4291725158 (0xFFCE8766)
YUV	152.4670, -24.8802, 46.9484
Hunter-Lab	56.2022, 18.2353, 21.5885

Details

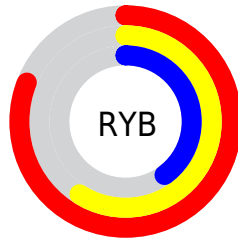
The CIELCh color **63, 37.297, 50.734** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **68, 27.123, 240.732**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 33.609, 54.895**, and **43, 37.594, 51.187** is the 20% darker color. If you saturate the color by 10%, you get **59, 46.321, 50.431**, and if you desaturate by 10%, it is **67, 28.792, 51.149**.

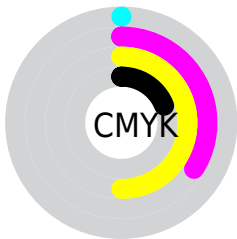
Distribution



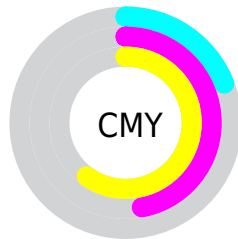
- Red (81%)
- Green (53%)
- Blue (40%)



- Red (81%)
- Yellow (59%)
- Blue (40%)



- Cyan (0%)
- Magenta (34%)
- Yellow (50%)
- Black (19%)



- Cyan (19%)
- Magenta (47%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 37.297, 50.734 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, 37.297, 50.734 by changing the saturation by 10% instead.

63, 37.297, 50.734

63, 37.297, 50.734

100, 37.297,
50.734

53, 37.297, 50.734

83, 37.297, 50.734

43, 37.297, 50.734

93, 37.297, 50.734

33, 37.297, 50.734

23, 37.297, 50.734

13, 37.297, 50.734

3, 37.297, 50.734

0, 37.297, 50.734

63, 37.297, 50.734

63, 37.297, 50.734

59, 46.321, 50.431

67, 28.792, 51.149

56, 55.711, 50.191

71, 20.856, 51.660

53, 65.079, 49.890

75, 13.478, 52.252

50, 73.577, 49.210

79, 6.624, 52.885

48, 80.098, 48.028

83, 0.248, 51.631

87, 5.701, 234.521

91, 11.271,
235.244

95, 14.173,
213.087

97, 16.116,
198.435

Harmonies

Complementary

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



63, 37.297, 50.734



68, 27.123, 240.732

Rectangle

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



63, 37.297, 50.734



63, 37.297, 100.734



63, 37.297, 230.734



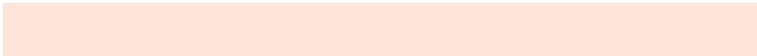
63, 37.297, 280.734

Sweetspot

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



63, 37.296, 50.739



93, 11.531, 52.582



58, 53.446, 339.010



48, 7.929, 52.446



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 37.296, 50.739



72, 54.671, 50.423



76, 45.336, 95.486



41, 3.561, 52.948



39, 67.646, 48.569



6, 15.147, 38.664

Inverse Universe

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



68, 27.123, 240.732



79, 36.753, 243.427



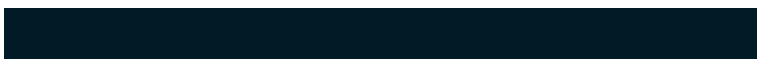
53, 49.128, 289.737



41, 3.394, 234.569



45, 36.337, 258.824



8, 12.241, 247.222

Previews

White Background



This preview shows how the CIELCh color 63, 37.297, 50.734 looks on a white background.

Color Contrast Check

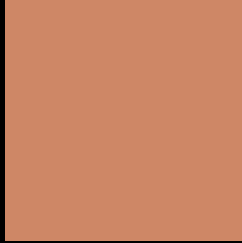
Large Text (above 18pt) WCAG AA × Fail

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 63, 37.297, 50.734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

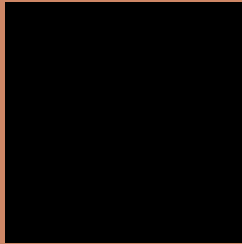
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 37.297, 50.734

Background



This preview shows how black text looks on a background with the CIELCh color 63, 37.297, 50.734.



This preview shows how white text looks on a background with the CIELCh color 63, 37.297, 50.734.

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, 37.297, 50.734

Protanopia
63, 24.341, 95.387

Deuteranopia
63, 30.902, 74.464



Tritanopia
63, 32.571, 13.399

Trichromacy



Original Color
63, 37.297, 50.734

Protanomaly
63, 26.719, 75.192

Deuteranomaly
63, 32.353, 64.509

Tritanomaly
63, 32.461, 28.503

Monochromacy



Original Color
63, 37.297, 50.734

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 12.271, 53.005

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 37.297, 50.734 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(206, 135, 102)` looks like.

```
.text, #text, p{  
    color:rgb(206, 135, 102)  
}
```

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(206, 135, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 135, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 37.297, 50.734 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(206, 135, 102) }
```

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

```
.border{ border-color:rgb(206, 135, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 135, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 135, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 135, 102);  
box-shadow:4px 4px 4px 4px rgb(206, 135,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 37.297, 50.734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 135, 102) }
```

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

```
.background{ background-color: rgb(206,  
135, 102) }
```

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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