

Converting Colors

CIELCh(63, 45.017, 67.339)

Have a look what the booklet for
CIELCh(63, 45.017, 67.339) contains.

CIELCh(63, 45.078, 67.327)	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, 45.078, 67.327)

Conversions

Conversions Part 1

Format	Color
Hex	C98B4E
RGB	201, 139, 78
RGB Percent	79%, 55%, 31%
CMY	0.2103, 0.4536, 0.6929
CMYK	0.00, 0.31, 0.61, 0.21
HSL	30°, 53%, 55%
HSV	30°, 61%, 79%
XYZ	34.8570, 31.5869, 11.5270
YIQ	150.5840, 56.5330, -5.8270

Conversions

Conversions Part 2

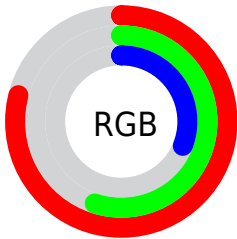
Format	Color
R _Y B	201, 199, 78
Decimal	13208398
CIE Lab	63.00, 17.38, 41.59
CIE LCh	63, 45.078, 67.327
Yxy	31.5869, 0.4471, 0.4051
Android (android.graphics.Color)	4291398478 (0xFFC98B4E)
YUV	150.5840, -35.7839, 44.2148
Hunter-Lab	56.2022, 12.3529, 27.1813

Details

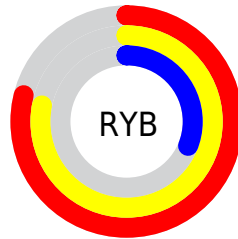
The CIELCh color **63, 45.078, 67.327** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **57, 37.585, 267.830**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 43.326, 69.949**, and **43, 44.849, 67.435** is the 20% darker color. If you saturate the color by 10%, you get **60, 53.203, 65.954**, and if you desaturate by 10%, it is **66, 36.954, 68.623**.

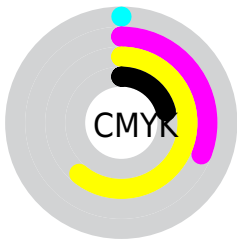
Distribution



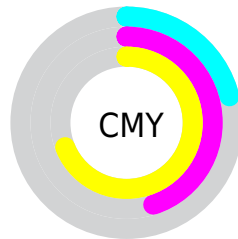
- Red (79%)
- Green (55%)
- Blue (31%)



- Red (79%)
- Yellow (78%)
- Blue (31%)



- Cyan (0%)
- Magenta (31%)
- Yellow (61%)
- Black (21%)



- Cyan (21%)
- Magenta (45%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 45.078, 67.327 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, 45.078, 67.327 by changing the saturation by 10% instead.

■ 63, 45.078, 67.327

■ 63, 45.078, 67.327

■ 100, 45.078,
67.327

■ 53, 45.078, 67.327

■ 83, 45.078, 67.327

■ 43, 45.078, 67.327

■ 93, 45.078, 67.327

■ 33, 45.078, 67.327

■ 23, 45.078, 67.327

■ 13, 45.078, 67.327

■ 3, 45.078, 67.327

■ 0, 45.078, 67.327

■ 63, 45.078, 67.327

■ 63, 45.078, 67.327

■ 60, 53.203, 65.954

■ 66, 36.954, 68.623

58, 60.874, 64.363

69, 29.053, 69.885

56, 67.278, 62.300

72, 21.466, 71.134

54, 71.566, 60.013

75, 14.219, 72.371

78, 7.307, 73.578

81, 0.707, 74.312

84, 5.609, 256.088

87, 11.669,
257.202

90, 15.635,
253.122

Harmonies

Complementary

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



63, 45.078, 67.327



57, 37.585, 267.830

Rectangle

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



63, 45.078, 67.327



63, 45.078, 117.327



63, 45.078, 247.327



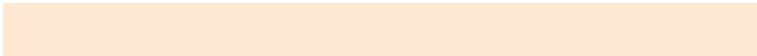
63, 45.078, 297.327

Sweetspot

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



63, 45.077, 67.331



93, 14.586, 72.720



52, 56.060, 349.763



49, 10.207, 72.360



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, 45.077, 67.331



74, 66.309, 65.522



78, 60.728, 103.759



40, 3.677, 73.780



44, 61.031, 60.636



7, 12.951, 56.964

Inverse Universe

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



57, 37.585, 267.830



65, 53.783, 272.574



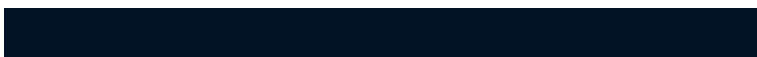
41, 72.625, 299.267



40, 3.596, 256.241



35, 50.822, 283.201



5, 13.953, 269.950

Previews

White Background



This preview shows how the CIELCh color 63, 45.078, 67.327 looks on a white background.

Color Contrast Check

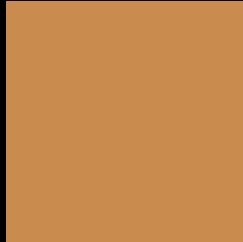
Large Text (above 18pt) WCAG AA × Fail

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, 45.078, 67.327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

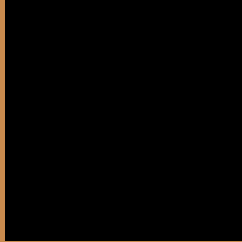
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 45.078, 67.327

Background



This preview shows how black text looks on a background with the CIELCh color 63, 45.078, 67.327.



This preview shows how white text looks on a background with the CIELCh color 63, 45.078, 67.327.

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, 45.078, 67.327

Protanopia
63, 38.716, 95.989

Deuteranopia
63, 42.822, 79.371



Tritanopia
63, 30.462, 12.428

Trichromacy



Original Color
63, 45.078, 67.327

Protanomaly
63, 39.716, 84.696

Deuteranomaly
63, 43.702, 75.219

Tritanomaly
63, 31.320, 38.404

Monochromacy



Original Color
63, 45.078, 67.327

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 15.407, 72.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 45.078, 67.327 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(201, 139, 78)` looks like.

```
.text, #text, p{  
    color:rgb(201, 139, 78)  
}
```

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(201, 139, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 139, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 45.078, 67.327 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(201, 139, 78) }
```

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

```
.border{ border-color:rgb(201, 139, 78) }
```

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

Here you see how a box with a 4 pixel rgb(201, 139, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 139, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 139, 78);  
box-shadow:4px 4px 4px 4px rgb(201, 139,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 45.078, 67.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 139, 78) }
```

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

```
.background{ background-color: rgb(201,  
139, 78) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor