

Converting Colors

CIELCh(64, 11.348, 67.344)

Have a look what the booklet for
CIELCh(64, 11.348, 67.344) contains.

CIELCh(64, 11.112, 68.109)	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(64, 11.112, 68.109)

Conversions

Conversions Part 1

Format	Color
Hex	AA9889
RGB	170, 152, 137
RGB Percent	67%, 60%, 54%
CMY	0.3334, 0.4040, 0.4628
CMYK	0.00, 0.11, 0.19, 0.33
HSL	27°, 16%, 60%
HSV	27°, 19%, 67%
XYZ	32.3143, 32.8017, 28.2897
YIQ	155.6720, 15.5430, -0.8490

Conversions

Conversions Part 2

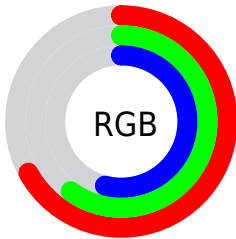
Format	Color
RYB	170, 165, 137
Decimal	11180169
CIELab	64.00, 4.14, 10.31
CIELCh	64, 11.112, 68.109
Yxy	32.8017, 0.3460, 0.3512
Android (android.graphics.Color)	4289370249 (0xFFAA9889)
YUV	155.6720, -9.2053, 12.5657
Hunter-Lab	57.2727, 0.4856, 10.8048

Details

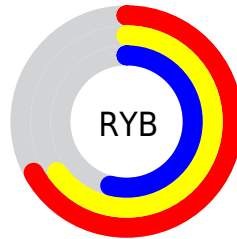
The CIELCh color **64, 11.112, 68.109** is a light color, and the websafe version is hex **999999**. A complement of this color would be **63, 10.417, 252.972**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 11.348, 67.330**, and **44, 11.328, 67.111** is the 20% darker color. If you saturate the color by 10%, you get **61, 17.302, 66.994**, and if you desaturate by 10%, it is **67, 5.245, 69.223**.

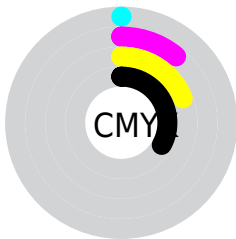
Distribution



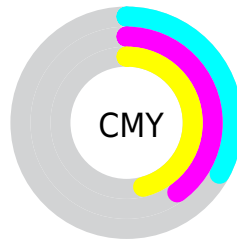
- Red (67%)
- Green (60%)
- Blue (54%)



- Red (67%)
- Yellow (65%)
- Blue (54%)



- Cyan (0%)
- Magenta (11%)
- Yellow (19%)
- Black (33%)



- Cyan (33%)
- Magenta (40%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 11.112, 68.109 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, 11.112, 68.109 by changing the saturation by 10% instead.

 64, 11.112, 68.109


 64, 11.112, 68.109

 100, 11.112,
68.109

 54, 11.112, 68.109

 84, 11.112, 68.109

 44, 11.112, 68.109

 94, 11.112, 68.109


 34, 11.112, 68.109

 24, 11.112, 68.109

 14, 11.112, 68.109

 4, 11.112, 68.109

 0, 11.112, 68.109

 64, 11.112, 68.109

 64, 11.112, 68.109

 61, 17.302, 66.994

 67, 5.245, 69.223

58, 23.831, 65.868

70, 0.326, 251.517

56, 30.693, 64.751

73, 5.628, 251.594

53, 37.838, 63.632

76, 10.692,
252.649

51, 45.128, 62.471

79, 15.545,
253.693

48, 52.253, 61.162

46, 58.607, 59.478

82, 20.211,
254.707

44, 63.778, 57.361

85, 24.323,
254.869

44, 64.103, 57.263

87, 22.680,
240.560

90, 22.540,
225.304

Harmonies

Complementary

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



64, 11.112, 68.109



63, 10.417, 252.972

Rectangle

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



64, 11.112, 68.109



64, 11.112, 118.109



64, 11.112, 248.109



64, 11.112, 298.109

Sweetspot

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



64, 11.112, 68.120



86, 4.114, 69.559



61, 16.358, 342.622



46, 2.756, 69.498



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 11.112, 68.120



80, 16.529, 67.670



68, 17.119, 106.176



34, 3.127, 69.237



38, 57.702, 57.730



3, 5.439, 62.835

Inverse Universe

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



63, 10.417, 252.972



79, 15.264, 253.620



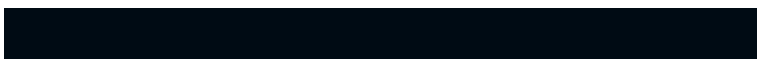
59, 17.808, 290.319



34, 3.041, 251.549



34, 43.185, 278.330



3, 5.895, 258.526

Previews

White Background



This preview shows how the CIELCh color 64, 11.112, 68.109 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, 11.112, 68.109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

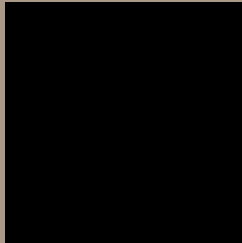
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 11.112, 68.109

Background



This preview shows how black text looks on a background with the CIELCh color 64, 11.112, 68.109.



This preview shows how white text looks on a background with the CIELCh color 64, 11.112, 68.109.

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, 11.112, 68.109

Protanopia

64, 9.835, 92.520

Deuteranopia

64, 13.250, 53.010



Tritanopia
64, 11.114, 347.139

Trichromacy



Original Color
64, 11.112, 68.109

Protanomaly
64, 9.927, 82.658

Deuteranomaly
64, 12.229, 59.264

Tritanomaly
64, 8.715, 12.904

Monochromacy



Original Color
64, 11.112, 68.109

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 4.059, 74.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 11.112, 68.109 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(170, 152, 137)` looks like.

```
.text, #text, p{  
    color:rgb(170, 152, 137)  
}
```

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(170, 152, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 152, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 11.112, 68.109 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(170, 152, 137) }
```

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

```
.border{ border-color:rgb(170, 152, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 152, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 152, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 152, 137);  
box-shadow:4px 4px 4px 4px rgb(170, 152,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 11.112, 68.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 152, 137) }
```

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

```
.background{ background-color: rgb(170,  
152, 137) }
```

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