

Converting Colors

CIELCh(64, 12.477, 72.837)

Have a look what the booklet for
CIELCh(64, 12.477, 72.837) contains.

CIELCh(64, 12.450, 72.831)	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, 12.450, 72.831)

Conversions

Conversions Part 1

Format	Color
Hex	AA9886
RGB	170, 152, 134
RGB Percent	67%, 60%, 53%
CMY	0.3327, 0.4033, 0.4739
CMYK	0.00, 0.11, 0.21, 0.33
HSL	30°, 18%, 60%
HSV	30°, 21%, 67%
XYZ	32.1845, 32.8017, 27.2491
YIQ	155.3300, 16.5060, -1.7820

Conversions

Conversions Part 2

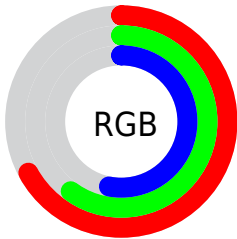
Format	Color
RYB	170, 170, 134
Decimal	11180166
CIELab	64.00, 3.68, 11.90
CIElCh	64, 12.450, 72.831
Yxy	32.8017, 0.3489, 0.3556
Android (android.graphics.Color)	4289370246 (0xFFAA9886)
YUV	155.3300, -10.5157, 12.8656
Hunter-Lab	57.2727, 0.0811, 11.8821

Details

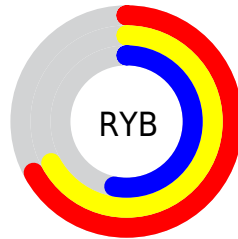
The CIELCh color **64, 12.450, 72.831** is a light color, and the websafe version is hex **999999**. A complement of this color would be **62, 11.782, 258.451**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 12.591, 71.894**, and **44, 12.490, 73.657** is the 20% darker color. If you saturate the color by 10%, you get **61, 18.769, 71.612**, and if you desaturate by 10%, it is **67, 6.415, 74.040**.

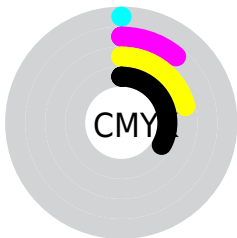
Distribution



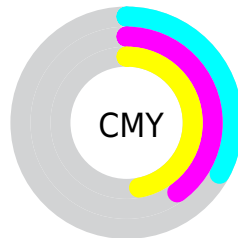
- Red (67%)
- Green (60%)
- Blue (53%)



- Red (67%)
- Yellow (67%)
- Blue (53%)



- Cyan (0%)
- Magenta (11%)
- Yellow (21%)
- Black (33%)



- Cyan (33%)
- Magenta (40%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 12.450, 72.831 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, 12.450, 72.831 by changing the saturation by 10% instead.

■ 64, 12.450, 72.831

■ 64, 12.450, 72.831

■ 100, 12.450,
72.831

■ 54, 12.450, 72.831

■ 84, 12.450, 72.831

■ 44, 12.450, 72.831

■ 94, 12.450, 72.831

■ 34, 12.450, 72.831

■ 24, 12.450, 72.831

■ 14, 12.450, 72.831

■ 4, 12.450, 72.831

■ 0, 12.450, 72.831

■ 64, 12.450, 72.831

■ 64, 12.450, 72.831

■ 61, 18.769, 71.612

■ 67, 6.415, 74.040

59, 25.376, 70.369

69, 0.646, 74.787

56, 32.250, 69.112

72, 4.880, 256.532

54, 39.314, 67.825

75, 10.189,
257.635

52, 46.390, 66.459

78, 15.304,
258.724

49, 53.105, 64.896

47, 58.794, 62.904

80, 20.247,
259.777

46, 62.878, 60.847

83, 25.037,
260.787

86, 23.533,
250.017

88, 22.444,
236.403

Harmonies

Complementary

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



64, 12.450, 72.831



62, 11.782, 258.451

Rectangle

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



64, 12.450, 72.831



64, 12.450, 122.831



64, 12.450, 252.831



64, 12.450, 302.831

Sweetspot

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



64, 12.450, 72.841



86, 4.229, 74.607



60, 17.301, 345.478



46, 2.832, 74.540



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, 12.450, 72.841



80, 18.436, 72.316



69, 19.594, 108.164



34, 3.210, 74.257



40, 56.592, 61.315



3, 5.524, 67.522

Inverse Universe

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



62, 11.782, 258.451



77, 17.228, 259.196



57, 20.564, 292.547



34, 3.143, 256.674



32, 47.295, 283.216



2, 6.103, 262.580

Previews

White Background



This preview shows how the CIELCh color 64, 12.450, 72.831 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, 12.450, 72.831 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

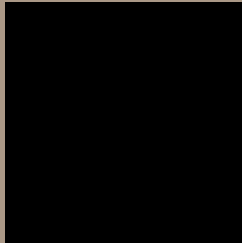
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 12.450, 72.831

Background



This preview shows how black text looks on a background with the CIELCh color 64, 12.450, 72.831.



This preview shows how white text looks on a background with the CIELCh color 64, 12.450, 72.831.

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, 12.450, 72.831

Protanopia

64, 11.443, 94.631

Deuteranopia

64, 13.957, 53.889



Tritanopia
64, 11.746, 345.954

Trichromacy



Original Color
64, 12.450, 72.831

Protanomaly
64, 11.454, 86.072

Deuteranomaly
64, 13.273, 58.736

Tritanomaly
64, 8.682, 16.538

Monochromacy



Original Color
64, 12.450, 72.831

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 4.528, 78.417

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 12.450, 72.831 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, 134)` looks like.

```
.text, #text, p{  
    color:rgb(170, 152, 134)  
}
```

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, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 152, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 12.450, 72.831 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, 134) }
```

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

```
.border{ border-color:rgb(170, 152, 134) }
```

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, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 152, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 152, 134);  
box-shadow:4px 4px 4px 4px rgb(170, 152,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 12.450, 72.831 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, 134) }
```

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

```
.background{ background-color: rgb(170,  
152, 134) }
```

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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