

Converting Colors

CIELCh(64, 22.600, 86.904)

Have a look what the booklet for
CIELCh(64, 22.600, 86.904) contains.

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Color

CIELCh(64, 22.600, 86.904)

Conversions

Conversions Part 1

Format	Color
Hex	AC9973
RGB	172, 153, 115
RGB Percent	67%, 60%, 45%
CMY	0.3254, 0.3999, 0.5489
CMYK	0.00, 0.11, 0.33, 0.33
HSL	40°, 26%, 56%
HSV	40°, 33%, 67%
XYZ	31.5093, 32.8017, 20.8969
YIQ	154.3490, 23.5220, -7.7900

Conversions

Conversions Part 2

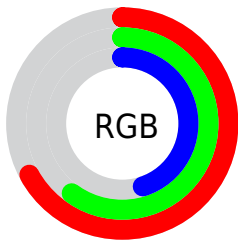
Format	Color
RYB	144, 172, 115
Decimal	11311475
CIELab	64.00, 1.22, 22.57
CIELCh	64, 22.600, 86.904
Yxy	32.8017, 0.3698, 0.3850
Android (android.graphics.Color)	4289501555 (0xFFAC9973)
YUV	154.3490, -19.3991, 15.4799
Hunter-Lab	57.2727, -2.0235, 18.4580

Details

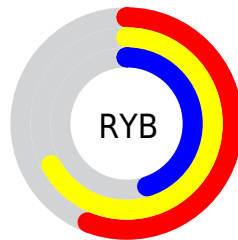
The CIELCh color **64, 22.600, 86.904** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **56, 22.445, 276.292**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 22.604, 86.781**, and **44, 22.870, 86.583** is the 20% darker color. If you saturate the color by 10%, you get **62, 29.660, 85.556**, and if you desaturate by 10%, it is **66, 15.627, 88.224**.

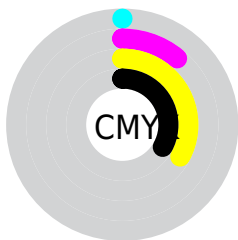
Distribution



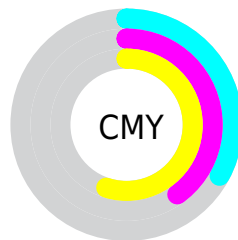
- Red (67%)
- Green (60%)
- Blue (45%)



- Red (56%)
- Yellow (67%)
- Blue (45%)



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



- Cyan (33%)
- Magenta (40%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 22.600, 86.904 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, 22.600, 86.904 by changing the saturation by 10% instead.

64, 22.600, 86.904

64, 22.600, 86.904

100, 22.600,
86.904

54, 22.600, 86.904

84, 22.600, 86.904

44, 22.600, 86.904

94, 22.600, 86.904

34, 22.600, 86.904

24, 22.600, 86.904

14, 22.600, 86.904

4, 22.600, 86.904

0, 22.600, 86.904

64, 22.600, 86.904

64, 22.600, 86.904

62, 29.660, 85.556

66, 15.627, 88.224

60, 36.722, 84.159

68, 8.778, 89.492

59, 43.626, 82.704

70, 2.067, 90.648

57, 50.079, 81.152

72, 4.504, 271.991

55, 55.592, 79.420

74, 10.940,
273.103

54, 59.497, 77.359

76, 17.250,
274.186

53, 61.455, 75.813

78, 23.443,
275.221

80, 29.529,
276.205

82, 28.205,
271.405

Harmonies

Complementary

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



64, 22.600, 86.904



56, 22.445, 276.292

Rectangle

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



64, 22.600, 86.904



64, 22.600, 136.904



64, 22.600, 266.904



64, 22.600, 316.904

Sweetspot

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



64, 22.601, 86.910



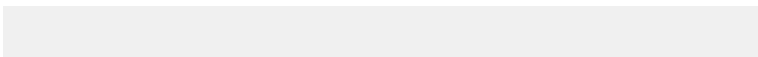
87, 8.268, 89.855



55, 25.268, 357.324



46, 5.642, 89.689



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, 22.601, 86.910



80, 34.082, 85.887



68, 31.014, 114.337



36, 3.791, 89.960



47, 55.698, 76.148



5, 7.267, 82.921

Inverse Universe

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



56, 22.445, 276.292



67, 33.843, 277.887



51, 33.465, 299.665



34, 3.791, 272.360



25, 64.886, 296.004



2, 8.503, 275.738

Previews

White Background



This preview shows how the CIELCh color 64, 22.600, 86.904 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 64, 22.600, 86.904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

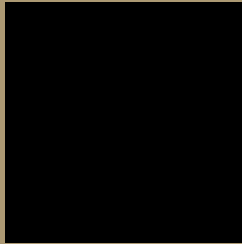
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 22.600, 86.904

Background



This preview shows how black text looks on a background with the CIELCh color 64, 22.600, 86.904.



This preview shows how white text looks on a background with the CIELCh color 64, 22.600, 86.904.

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, 22.600, 86.904

Protanopia

64, 22.053, 95.656

Deuteranopia

64, 23.637, 70.134



Tritanopia
64, 13.411, 350.974

Trichromacy



Original Color
64, 22.600, 86.904

Protanomaly
64, 21.866, 92.146

Deuteranomaly
64, 22.747, 75.096

Tritanomaly
64, 11.004, 37.838

Monochromacy



Original Color
64, 22.600, 86.904

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 8.256, 89.506

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 22.600, 86.904 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(172, 153, 115)` looks like.

```
.text, #text, p{  
    color:rgb(172, 153, 115)  
}
```

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(172, 153, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 153, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 22.600, 86.904 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(172, 153, 115) }
```

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

```
.border{ border-color:rgb(172, 153, 115) }
```

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

Here you see how a box with a 4 pixel rgb(172, 153, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 153, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 153, 115);  
box-shadow:4px 4px 4px 4px rgb(172, 153,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 22.600, 86.904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 153, 115) }
```

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

```
.background{ background-color: rgb(172,  
153, 115) }
```

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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