

Converting Colors

CIELCh(64, 18.641, 90.123)

Have a look what the booklet for
CIELCh(64, 18.641, 90.123) contains.

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Color

CIELCh(64, 18.692, 89.973)

Conversions

Conversions Part 1

Format	Color
Hex	A89A7A
RGB	168, 154, 122
RGB Percent	66%, 60%, 48%
CMY	0.3415, 0.3964, 0.5219
CMYK	0.00, 0.08, 0.27, 0.34
HSL	42°, 21%, 57%
HSV	42°, 27%, 66%
XYZ	31.1794, 32.8017, 23.0741
YIQ	154.5380, 18.6160, -6.9840

Conversions

Conversions Part 2

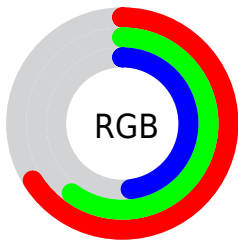
Format	Color
RYB	142, 168, 122
Decimal	11049594
CIELab	64.00, 0.01, 18.69
CIElCh	64, 18.692, 89.973
Yxy	32.8017, 0.3582, 0.3768
Android (android.graphics.Color)	4289239674 (0xFFA89A7A)
YUV	154.5380, -16.0412, 11.8062
Hunter-Lab	57.2727, -3.0516, 16.2041

Details

The CIELCh color $64, 18.692, 89.973$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $57, 18.754, 277.375$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 18.411, 88.880$, and $44, 18.685, 90.372$ is the 20% darker color. If you saturate the color by 10%, you get $62, 25.697, 88.671$, and if you desaturate by 10%, it is $66, 11.769, 91.247$.

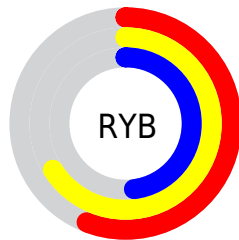
Distribution



Red (66%)

Green (60%)

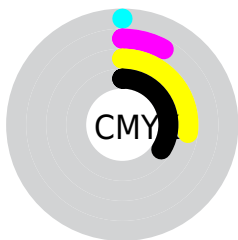
Blue (48%)



Red (56%)

Yellow (66%)

Blue (48%)

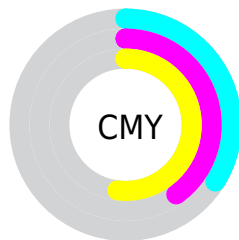


Cyan (0%)

Magenta (8%)

Yellow (27%)

Black (34%)



Cyan (34%)

Magenta (40%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 18.692, 89.973 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, 18.692, 89.973 by changing the saturation by 10% instead.

■ 64, 18.692, 89.973

■ 64, 18.692, 89.973

■ 100, 18.692,
89.973

■ 54, 18.692, 89.973

■ 84, 18.692, 89.973

■ 44, 18.692, 89.973

■ 94, 18.692, 89.973

■ 34, 18.692, 89.973

■ 24, 18.692, 89.973

■ 14, 18.692, 89.973

■ 4, 18.692, 89.973

■ 0, 18.692, 89.973

■ 64, 18.692, 89.973

■ 64, 18.692, 89.973

■ 62, 25.697, 88.671

■ 66, 11.769, 91.247

61, 32.721, 87.325

68, 4.953, 92.458

59, 39.647, 85.936

69, 1.744, 273.797

58, 46.259, 84.485

71, 8.321, 274.851

56, 52.186, 82.927

73, 14.782,
275.933

55, 56.868, 81.172

75, 21.135,
276.970

53, 59.834, 79.113

77, 27.386,
277.957

53, 60.561, 78.583

79, 32.906,
278.510

80, 30.571,
273.945

Harmonies

Complementary

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



64, 18.692, 89.973



57, 18.754, 277.375

Rectangle

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



64, 18.692, 89.973



64, 18.692, 139.973



64, 18.692, 269.973



64, 18.692, 319.973

Sweetspot

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



64, 18.693, 89.979



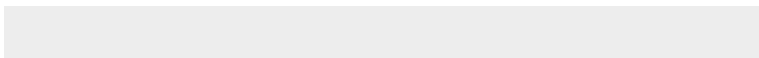
86, 6.668, 92.369



56, 20.200, 357.694



45, 4.739, 92.197



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



64, 18.693, 89.979



80, 28.114, 89.171



67, 25.280, 115.451



35, 3.807, 92.235



47, 55.197, 78.876



4, 6.402, 87.254

Inverse Universe

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



57, 18.754, 277.375



69, 28.248, 278.535



53, 26.849, 299.613



33, 3.818, 274.581



24, 66.923, 297.524



2, 7.240, 276.429

Previews

White Background



This preview shows how the CIELCh color 64, 18.692, 89.973 looks on a white background.

Color Contrast Check

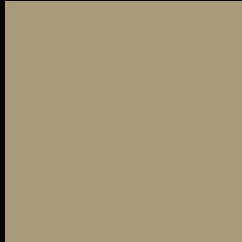
Large Text (above 18pt) WCAG AA × Fail

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, 18.692, 89.973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

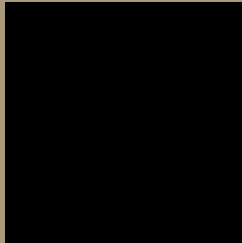
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 18.692, 89.973

Background



This preview shows how black text looks on a background with the CIELCh color 64, 18.692, 89.973.



This preview shows how white text looks on a background with the CIELCh color 64, 18.692, 89.973.

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, 18.692, 89.973

Protanopia

64, 18.737, 95.317

Deuteranopia

64, 19.955, 65.992



Tritanopia
64, 11.114, 347.139

Trichromacy



Original Color
64, 18.692, 89.973

Protanomaly
64, 18.838, 94.071

Deuteranomaly
64, 18.877, 74.625

Tritanomaly
64, 8.441, 39.183

Monochromacy



Original Color
64, 18.692, 89.973

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 6.948, 92.836

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 18.692, 89.973 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(168, 154, 122)` looks like.

```
.text, #text, p{  
    color:rgb(168, 154, 122)  
}
```

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(168, 154, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 154, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 18.692, 89.973 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(168, 154, 122) }
```

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

```
.border{ border-color:rgb(168, 154, 122) }
```

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

Here you see how a box with a 4 pixel rgb(168, 154, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 154, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 154, 122);  
box-shadow:4px 4px 4px 4px rgb(168, 154,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 18.692, 89.973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 154, 122) }
```

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

```
.background{ background-color: rgb(168,  
154, 122) }
```

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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