

Converting Colors

CIELCh(64, 16.247, 117.766)

Have a look what the booklet for
CIELCh(64, 16.247, 117.766)
contains.

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Color

CIELCh(64, 16.227, 117.049)

Conversions

Conversions Part 1

Format	Color
Hex	989E81
RGB	152, 158, 129
RGB Percent	60%, 62%, 51%
CMY	0.4032, 0.3796, 0.4934
CMYK	0.04, 0.00, 0.18, 0.38
HSL	72°, 13%, 56%
HSV	72°, 18%, 62%
XYZ	29.2180, 32.8017, 25.6241
YIQ	152.9000, 5.7330, -10.2910

Conversions

Conversions Part 2

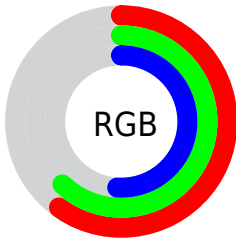
Format	Color
RYB	129, 158, 135
Decimal	10002049
CIELab	64.00, -7.38, 14.45
CIELCh	64, 16.227, 117.049
Yxy	32.8017, 0.3334, 0.3743
Android (android.graphics.Color)	4288192129 (0xFF989E81)
YUV	152.9000, -11.7827, -0.7893
Hunter-Lab	57.2727, -9.1646, 13.5643

Details

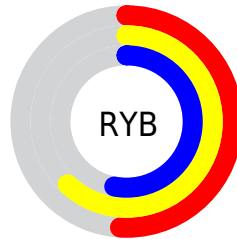
The CIELCh color $64, 16.227, 117.049$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $55, 16.858, 299.607$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 16.462, 118.041$, and $44, 16.204, 117.282$ is the 20% darker color. If you saturate the color by 10%, you get $63, 24.970, 116.384$, and if you desaturate by 10%, it is $65, 7.391, 117.720$.

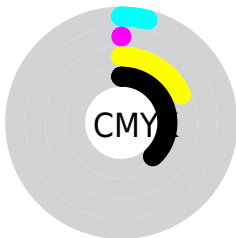
Distribution



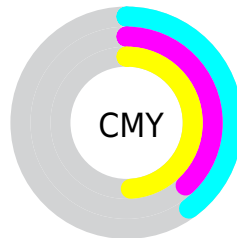
- Red (60%)
- Green (62%)
- Blue (51%)



- Red (51%)
- Yellow (62%)
- Blue (53%)



- Cyan (4%)
- Magenta (0%)
- Yellow (18%)
- Black (38%)





- Cyan (40%)
- Magenta (38%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 16.227, 117.049 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, 16.227, 117.049 by changing the saturation by 10% instead.

 64, 16.227,
117.049


 64, 16.227,
117.049


 100, 16.227,
117.049


 54, 16.227,
117.049


 84, 16.227,
117.049

 44, 16.227,
117.049

 94, 16.227,
117.049

 34, 16.227,
117.049

 24, 16.227,
117.049

 14, 16.227,
117.049

 4, 16.227, 117.049

 0, 16.227, 117.049

■ 64, 16.227,
117.049

■ 64, 16.227,
117.049

■ 63, 24.970,
116.384

■ 65, 7.391, 117.720

■ 63, 33.529,
115.732

■ 65, 1.484, 298.360

■ 62, 41.775,
115.128

■ 66, 10.356,
298.991

■ 62, 49.516,
114.615

■ 67, 19.196,
299.584

■ 62, 56.473,
114.256

■ 68, 27.981,
300.144

■ 61, 62.280,
114.132

■ 69, 36.696,
300.669

■ 61, 66.551,
114.330

■ 69, 45.328,
301.159

■ 61, 69.262,

■ 70, 53.476,
301.643

114.863

■ 71, 53.575,
302.711

■ 61, 69.682,
114.953

Harmonies

Complementary

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



64, 16.227, 117.049



55, 16.858, 299.607

Rectangle

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



64, 16.227, 117.049



64, 16.227, 167.049



64, 16.227, 297.049



64, 16.227, 347.049

Sweetspot

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



64, 16.229, 117.053



82, 6.608, 117.866



58, 10.083, 39.168



44, 4.419, 117.827



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



64, 16.229, 117.053



81, 24.159, 116.779



63, 18.075, 134.932



33, 5.010, 117.660



55, 64.625, 114.856



4, 6.606, 119.521

Inverse Universe

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



55, 16.858, 299.607



68, 25.325, 299.957



57, 18.323, 316.487



31, 5.110, 298.895



17, 85.333, 307.465



1, 6.576, 297.849

Previews

White Background



This preview shows how the CIELCh color 64, 16.227, 117.049 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, 16.227, 117.049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

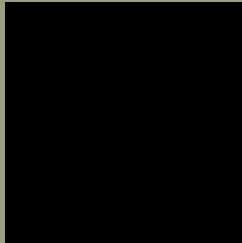
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

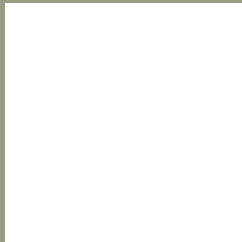
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 16.227, 117.049

Background



This preview shows how black text looks on a background with the CIELCh color 64, 16.227, 117.049.



This preview shows how white text looks on a background with the CIELCh color 64, 16.227, 117.049.

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, 16.227, 117.049

Protanopia

64, 15.950, 95.021

Deuteranopia

64, 15.745, 59.331



Tritanopia
64, 6.890, 303.436

Trichromacy



Original Color
64, 16.227, 117.049

Protanomaly
64, 15.580, 102.445

Deuteranomaly
64, 14.124, 79.089

Tritanomaly
64, 1.662, 109.966

Monochromacy



Original Color
64, 16.227, 117.049

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 6.171, 116.811

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 16.227, 117.049 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(152, 158, 129)` looks like.

```
.text, #text, p{  
    color:rgb(152, 158, 129)  
}
```

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(152, 158, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 158, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 16.227, 117.049 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(152, 158, 129) }
```

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

```
.border{ border-color:rgb(152, 158, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 158, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 158, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 158, 129);  
box-shadow:4px 4px 4px 4px rgb(152, 158,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 16.227, 117.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 158, 129) }
```

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

```
.background{ background-color: rgb(152,  
158, 129) }
```

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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