

Converting Colors

CIELCh(64, 50.489, 127.886)

Have a look what the booklet for
CIELCh(64, 50.489, 127.886)
contains.

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Color

CIELCh(64, 50.199, 127.731)

Conversions

Conversions Part 1

Format	Color
Hex	7AA851
RGB	122, 168, 81
RGB Percent	48%, 66%, 32%
CMY	0.5210, 0.3406, 0.6818
CMYK	0.27, 0.00, 0.52, 0.34
HSL	92°, 35%, 49%
HSV	92°, 52%, 66%
XYZ	23.5649, 32.8017, 12.9000
YIQ	144.3280, 0.5110, -36.8090

Conversions

Conversions Part 2

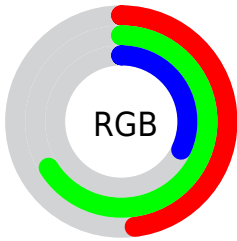
Format	Color
RYB	81, 168, 127
Decimal	8038481
CIELab	64.00, -30.72, 39.70
CIElCh	64, 50.199, 127.731
Yxy	32.8017, 0.3402, 0.4736
Android (android.graphics.Color)	4286228561 (0xFF7AA851)
YUV	144.3280, -31.2207, -19.5817
Hunter-Lab	57.2727, -26.7834, 26.7366

Details

The CIELCh color **64, 50.199, 127.731** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **43, 53.831, 312.536**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 50.189, 127.735**, and **44, 50.527, 127.704** is the 20% darker color. If you saturate the color by 10%, you get **63, 58.863, 127.413**, and if you desaturate by 10%, it is **65, 40.938, 128.158**.

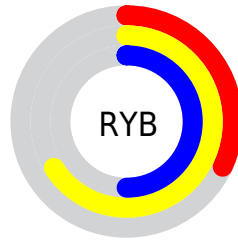
Distribution



Red (48%)

Green (66%)

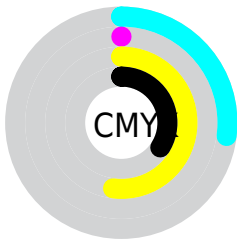
Blue (32%)



Red (32%)

Yellow (66%)

Blue (50%)

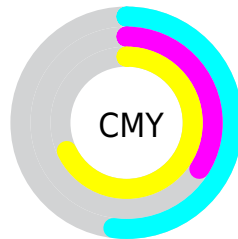


Cyan (27%)

Magenta (0%)

Yellow (52%)

Black (34%)



Cyan (52%)


Magenta (34%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 50.199, 127.731 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, 50.199, 127.731 by changing the saturation by 10% instead.


 64, 50.199,
127.731


 64, 50.199,
127.731


 100, 50.199,
127.731


 54, 50.199,
127.731


 84, 50.199,
127.731

 44, 50.199,
127.731

 94, 50.199,
127.731

 34, 50.199,
127.731

 24, 50.199,
127.731

 14, 50.199,
127.731

 4, 50.199, 127.731

 0, 50.199, 127.731

64, 50.199,
127.731

64, 50.199,
127.731

63, 58.863,
127.413

65, 40.938,
128.158

63, 66.598,
127.290

66, 31.316,
128.628

62, 73.003,
127.482

67, 21.499,
129.107

62, 77.696,
128.106

68, 11.605,
129.572

61, 80.503,
128.849

69, 1.715, 130.059

70, 8.113, 310.378

71, 17.837,
310.747

72, 27.427,
311.074

■ 74, 36.864,
311.365

Harmonies

Complementary

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



64, 50.199, 127.731



43, 53.831, 312.536

Rectangle

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



64, 50.199, 127.731



64, 50.199, 177.731



64, 50.199, 307.731



64, 50.199, 357.731

Sweetspot

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



64, 50.200, 127.732



85, 19.632, 129.363



56, 32.498, 70.678



45, 13.236, 129.271



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, 50.200, 127.732



81, 73.136, 127.382



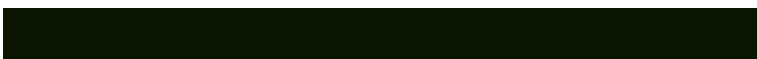
62, 56.974, 140.667



35, 5.591, 129.683



54, 73.135, 128.678



5, 10.373, 132.297

Inverse Universe

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



43, 53.831, 312.536



50, 79.719, 313.008



48, 56.617, 327.569



33, 5.662, 310.452



23, 82.476, 312.769



1, 10.055, 307.503

Previews

White Background



This preview shows how the CIELCh color 64, 50.199, 127.731 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, 50.199, 127.731 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, 50.199, 127.731

Background



This preview shows how black text looks on a background with the CIELCh color 64, 50.199, 127.731.



This preview shows how white text looks on a background with the CIELCh color 64, 50.199, 127.731.

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, 50.199, 127.731

Protanopia

64, 42.712, 95.863

Deuteranopia

64, 38.999, 77.398



Tritanopia
64, 10.753, 241.503

Trichromacy



Original Color
64, 50.199, 127.731

Protanomaly
64, 43.460, 109.525

Deuteranomaly
63, 38.797, 99.354

Tritanomaly
64, 18.271, 150.948

Monochromacy



Original Color
64, 50.199, 127.731

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 19.157, 129.241

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 50.199, 127.731 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(122, 168, 81)` looks like.

```
.text, #text, p{  
    color:rgb(122, 168, 81)  
}
```

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(122, 168, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 168, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 50.199, 127.731 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(122, 168, 81) }
```

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

```
.border{ border-color:rgb(122, 168, 81) }
```

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

Here you see how a box with a 4 pixel rgb(122, 168, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 168, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 168, 81);  
box-shadow:4px 4px 4px 4px rgb(122, 168,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 50.199, 127.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 168, 81) }
```

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

```
.background{ background-color: rgb(122,  
168, 81) }
```

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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