

Converting Colors

CIELCh(64, 41.615, 131.791)

Have a look what the booklet for
CIELCh(64, 41.615, 131.791)
contains.

CIELCh(64, 41.573, 131.798)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(64, 41.573, 131.798)

Conversions

Conversions Part 1

Format	Color
Hex	7BA762
RGB	123, 167, 98
RGB Percent	48%, 65%, 38%
CMY	0.5170, 0.3445, 0.6151
CMYK	0.26, 0.00, 0.41, 0.34
HSL	98°, 28%, 52%
HSV	98°, 41%, 66%
XYZ	24.2491, 32.8017, 16.6445
YIQ	145.9780, -4.0750, -30.7870

Conversions

Conversions Part 2

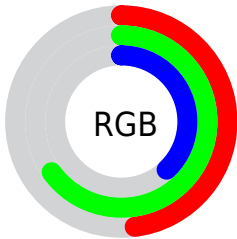
Format	Color
RYB	98, 167, 142
Decimal	8103778
CIELab	64.00, -27.71, 30.99
CIELCh	64, 41.573, 131.798
Yxy	32.8017, 0.3290, 0.4451
Android (android.graphics.Color)	4286293858 (0xFF7BA762)
YUV	145.9780, -23.6532, -20.1517
Hunter-Lab	57.2727, -24.6511, 22.8602

Details

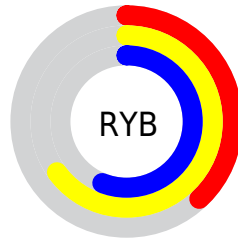
The CIELCh color **64, 41.573, 131.798** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **49, 43.214, 315.495**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 41.169, 131.808**, and **44, 41.587, 131.883** is the 20% darker color. If you saturate the color by 10%, you get **63, 51.129, 131.313**, and if you desaturate by 10%, it is **65, 31.661, 132.306**.

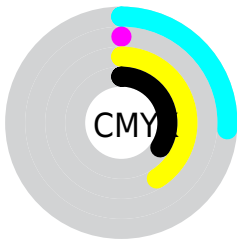
Distribution



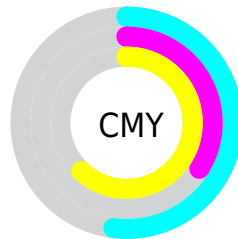
- Red (48%)
- Green (65%)
- Blue (38%)



- Red (38%)
- Yellow (65%)
- Blue (56%)



- Cyan (26%)
- Magenta (0%)
- Yellow (41%)
- Black (34%)




- Cyan (52%)
- Magenta (34%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 41.573, 131.798 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, 41.573, 131.798 by changing the saturation by 10% instead.


 64, 41.573,
131.798


 64, 41.573,
131.798


 100, 41.573,
131.798


 54, 41.573,
131.798


 84, 41.573,
131.798

 44, 41.573,
131.798

 94, 41.573,
131.798

 34, 41.573,
131.798

 24, 41.573,
131.798

 14, 41.573,
131.798

 4, 41.573, 131.798

 0, 41.573, 131.798

■ 64, 41.573,
131.798

■ 64, 41.573,
131.798

■ 63, 51.129,
131.313

■ 65, 31.661,
132.306

■ 62, 60.080,
130.906

■ 66, 21.565,
132.801

■ 62, 68.092,
130.665

■ 67, 11.410,
133.269

■ 61, 74.756,
130.708

■ 68, 1.288, 133.787

■ 61, 79.675,
131.153

■ 70, 8.740, 314.039

■ 60, 82.727,
131.767

■ 71, 18.628,
314.382

■ 73, 28.344,
314.680

■ 74, 37.869,
314.939

■ 76, 47.191,
315.164

Harmonies

Complementary

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



64, 41.573, 131.798



49, 43.214, 315.495

Rectangle

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



64, 41.573, 131.798



64, 41.573, 181.798



64, 41.573, 311.798



64, 41.573, 1.798

Sweetspot

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



64, 41.574, 131.799



85, 14.993, 133.226



60, 27.020, 82.996



45, 10.029, 133.170



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, 41.574, 131.799



80, 61.613, 131.331



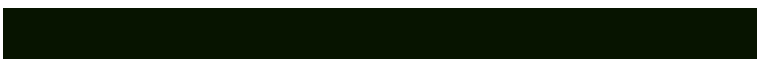
63, 42.383, 145.048



35, 5.749, 133.359



54, 75.486, 131.620



5, 10.628, 135.359

Inverse Universe

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



49, 43.214, 315.495



57, 64.610, 315.875



51, 42.359, 330.760



33, 5.804, 314.092



25, 80.647, 315.656



1, 10.289, 311.129

Previews

White Background



This preview shows how the CIELCh color 64, 41.573, 131.798 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, 41.573, 131.798 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, 41.573, 131.798

Background



This preview shows how black text looks on a background with the CIELCh color 64, 41.573, 131.798.



This preview shows how white text looks on a background with the CIELCh color 64, 41.573, 131.798.

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, 41.573, 131.798

Protanopia
64, 34.472, 96.165

Deuteranopia
64, 30.082, 74.754



Tritanopia
64, 10.671, 237.840

Trichromacy



Original Color
64, 41.573, 131.798

Protanomaly
64, 34.925, 111.330

Deuteranomaly
63, 29.856, 100.253

Tritanomaly
64, 15.199, 159.568

Monochromacy



Original Color
64, 41.573, 131.798

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 15.381, 133.122

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 41.573, 131.798 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(123, 167, 98)` looks like.

```
.text, #text, p{  
    color:rgb(123, 167, 98)  
}
```

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(123, 167, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 167, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 41.573, 131.798 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(123, 167, 98) }
```

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

```
.border{ border-color:rgb(123, 167, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 167, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 167, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 167, 98);  
box-shadow:4px 4px 4px 4px rgb(123, 167,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 41.573, 131.798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 167, 98) }
```

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

```
.background{ background-color: rgb(123,  
167, 98) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor