

Converting Colors

CIELCh(64, 31.785, 149.602)

Have a look what the booklet for
CIELCh(64, 31.785, 149.602)
contains.

CIELCh(64, 31.701, 149.712)	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, 31.701, 149.712)

Conversions

Conversions Part 1

Format	Color
Hex	70A87E
RGB	112, 168, 126
RGB Percent	44%, 66%, 49%
CMY	0.5621, 0.3425, 0.5071
CMYK	0.33, 0.00, 0.25, 0.34
HSL	135°, 24%, 55%
HSV	135°, 33%, 66%
XYZ	24.3259, 32.8017, 24.6796
YIQ	146.4680, -19.8940, -24.9340

Conversions

Conversions Part 2

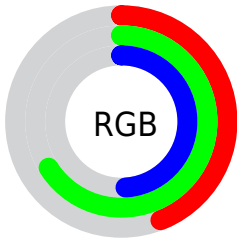
Format	Color
RYB	112, 157, 168
Decimal	7383166
CIELab	64.00, -27.37, 15.99
CIELCh	64, 31.701, 149.712
Yxy	32.8017, 0.2974, 0.4010
Android (android.graphics.Color)	4285573246 (0xFF70A87E)
YUV	146.4680, -10.0907, -30.2284
Hunter-Lab	57.2727, -24.4115, 14.5421

Details

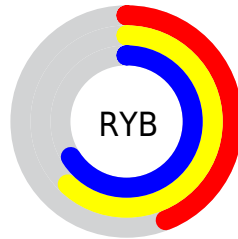
The CIELCh color $64, 31.701, 149.712$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $54, 31.929, 334.598$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 31.409, 150.049$, and $44, 31.948, 149.838$ is the 20% darker color. If you saturate the color by 10%, you get $63, 40.895, 148.641$, and if you desaturate by 10%, it is $65, 22.258, 150.642$.

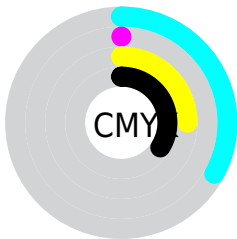
Distribution



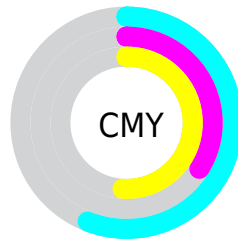
- Red (44%)
- Green (66%)
- Blue (49%)



- Red (44%)
- Yellow (62%)
- Blue (66%)



- Cyan (33%)
- Magenta (0%)
- Yellow (25%)
- Black (34%)





- Cyan (56%)
- Magenta (34%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 31.701, 149.712 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, 31.701, 149.712 by changing the saturation by 10% instead.


 64, 31.701,
149.712


 64, 31.701,
149.712


 100, 31.701,
149.712


 54, 31.701,
149.712


 84, 31.701,
149.712

 44, 31.701,
149.712

 94, 31.701,
149.712

 34, 31.701,
149.712

 24, 31.701,
149.712

 14, 31.701,
149.712

 4, 31.701, 149.712

 0, 31.701, 149.712

■ 64, 31.701,
149.712

■ 64, 31.701,
149.712

■ 63, 40.895,
148.641

■ 65, 22.258,
150.642

■ 62, 49.659,
147.412

■ 67, 12.716,
151.454

■ 61, 57.808,
146.015

■ 68, 3.199, 152.218

■ 61, 65.154,
144.451

■ 70, 6.196, 332.693

■ 60, 71.535,
142.749

■ 72, 15.401,
333.255

■ 60, 76.823,
140.971

■ 74, 24.370,
333.735

■ 60, 79.776,
139.883

■ 76, 33.074,
334.160

■ 78, 41.499,
334.539

■ 79, 48.092,
332.219

Harmonies

Complementary

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



64, 31.701, 149.712



54, 31.929, 334.598

Rectangle

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



64, 31.701, 149.712



64, 31.701, 199.712



64, 31.701, 329.712



64, 31.701, 19.712

Sweetspot

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



64, 31.702, 149.712



85, 11.682, 151.696



66, 30.936, 117.844



45, 8.039, 151.595



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, 31.702, 149.712



80, 46.573, 148.943



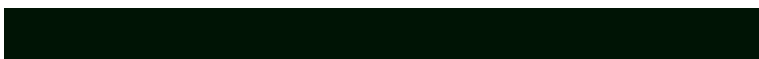
65, 21.565, 176.302



35, 5.378, 151.762



53, 72.410, 140.085



5, 10.037, 151.072

Inverse Universe

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



54, 31.929, 334.598



65, 46.867, 335.148



53, 24.242, 3.300



33, 5.399, 332.907



33, 63.778, 341.080



2, 9.308, 335.086

Previews

White Background



This preview shows how the CIELCh color 64, 31.701, 149.712 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, 31.701, 149.712 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, 31.701, 149.712

Background



This preview shows how black text looks on a background with the CIELCh color 64, 31.701, 149.712.



This preview shows how white text looks on a background with the CIELCh color 64, 31.701, 149.712.

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, 31.701, 149.712

Protanopia
64, 19.932, 94.651

Deuteranopia
64, 16.132, 60.730



Tritanopia
64, 15.243, 226.986

Trichromacy



Original Color
64, 31.701, 149.712

Protanomaly
64, 21.646, 122.103

Deuteranomaly
64, 15.532, 111.486

Tritanomaly
64, 16.699, 184.353

Monochromacy



Original Color
64, 31.701, 149.712

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 11.502, 151.486

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 31.701, 149.712 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(112, 168, 126)` looks like.

```
.text, #text, p{  
    color:rgb(112, 168, 126)  
}
```

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(112, 168, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 168, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 31.701, 149.712 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(112, 168, 126) }
```

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

```
.border{ border-color:rgb(112, 168, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 168, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 168, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 168, 126);  
box-shadow:4px 4px 4px 4px rgb(112, 168,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 31.701, 149.712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 168, 126) }
```

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

```
.background{ background-color: rgb(112,  
168, 126) }
```

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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