

Converting Colors

CIELCh(62, 31.363, 156.612)

Have a look what the booklet for
CIELCh(62, 31.363, 156.612)
contains.

CIELCh(62, 31.319, 156.791)	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(62, 31.319, 156.791)

Conversions

Conversions Part 1

Format	Color
Hex	63A37F
RGB	99, 163, 127
RGB Percent	39%, 64%, 50%
CMY	0.6116, 0.3606, 0.5018
CMYK	0.39, 0.00, 0.22, 0.36
HSL	146°, 26%, 51%
HSV	146°, 39%, 64%
XYZ	22.0920, 30.4025, 24.7998
YIQ	139.7600, -26.5880, -24.7640

Conversions

Conversions Part 2

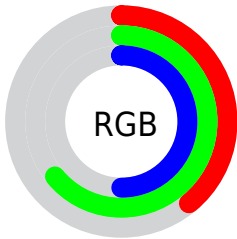
Format	Color
RYB	99, 144, 163
Decimal	6529919
CIELab	62.00, -28.78, 12.34
CIELCh	62, 31.319, 156.791
Yxy	30.4025, 0.2858, 0.3933
Android (android.graphics.Color)	4284719999 (0xFF63A37F)
YUV	139.7600, -6.2907, -35.7465
Hunter-Lab	55.1385, -24.9739, 11.9299

Details

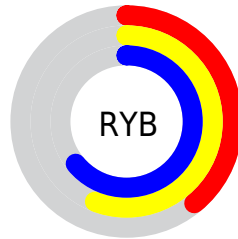
The CIELCh color **62, 31.319, 156.791** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **50, 32.335, 343.920**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 31.139, 157.100**, and **42, 31.452, 156.923** is the 20% darker color. If you saturate the color by 10%, you get **61, 38.776, 155.542**, and if you desaturate by 10%, it is **63, 23.531, 157.891**.

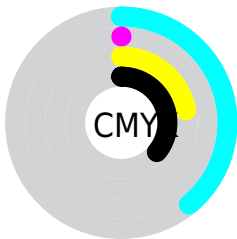
Distribution



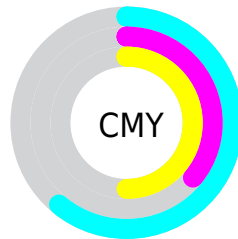
- Red (39%)
- Green (64%)
- Blue (50%)



- Red (39%)
- Yellow (56%)
- Blue (64%)



- Cyan (39%)
- Magenta (0%)
- Yellow (22%)
- Black (36%)





- Cyan (61%)
- Magenta (36%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 31.319, 156.791 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 62, 31.319, 156.791 by changing the saturation by 10% instead.


 62, 31.319,
156.791


 62, 31.319,
156.791


 100, 31.319,
156.791


 52, 31.319,
156.791


 82, 31.319,
156.791

 42, 31.319,
156.791

 92, 31.319,
156.791

 32, 31.319,
156.791

 22, 31.319,
156.791

 12, 31.319,
156.791

 2, 31.319, 156.791

 0, 31.319, 156.791

■ 62, 31.319,
156.791

■ 62, 31.319,
156.791

■ 61, 38.776,
155.542

■ 63, 23.531,
157.891

■ 60, 45.764,
154.122

■ 64, 15.539,
158.868

■ 60, 52.157,
152.511

■ 66, 7.461, 159.754

■ 59, 57.857,
150.698

■ 67, 0.607, 339.939

■ 69, 8.590, 341.142

■ 59, 62.816,
148.691

■ 70, 16.432,
341.795

■ 59, 67.131,
146.592

■ 72, 24.093,
342.383

■ 59, 67.444,
146.445

■ 74, 31.548,
342.923

■ 76, 38.784,
343.422

Harmonies

Complementary

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



62, 31.319, 156.791



50, 32.335, 343.920

Rectangle

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



62, 31.319, 156.791



62, 31.319, 206.791



62, 31.319, 336.791



62, 31.319, 26.791

Sweetspot

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



62, 31.320, 156.790



83, 11.975, 159.497



64, 36.704, 124.819



44, 8.008, 159.390



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



62, 31.320, 156.790



78, 45.857, 155.724



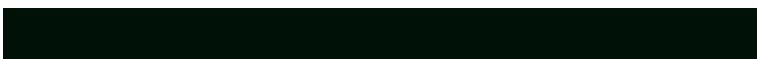
63, 21.937, 191.205



34, 4.565, 159.752



53, 61.680, 146.681



4, 7.318, 158.463

Inverse Universe

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



50, 32.335, 343.920



60, 47.483, 344.922



49, 27.790, 18.090



32, 4.608, 341.098



31, 56.809, 355.462



1, 6.844, 343.135

Previews

White Background



This preview shows how the CIELCh color 62, 31.319, 156.791 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 62, 31.319, 156.791 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 62, 31.319, 156.791

Background



This preview shows how black text looks on a background with the CIELCh color 62, 31.319, 156.791.



This preview shows how white text looks on a background with the CIELCh color 62, 31.319, 156.791.

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
62, 31.319, 156.791

Protanopia
62, 16.608, 95.283

Deuteranopia
62, 13.017, 53.948



Tritanopia
62, 17.426, 223.095

Trichromacy



Original Color
62, 31.319, 156.791

Protanomaly
62, 18.618, 129.872

Deuteranomaly
61, 12.081, 122.315

Tritanomaly
62, 19.180, 189.231

Monochromacy



Original Color
62, 31.319, 156.791

Achromatopsia
58, 0.007, 296.813

Achromatomaly
59, 11.614, 159.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 31.319, 156.791 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(99, 163, 127)` looks like.

```
.text, #text, p{  
    color:rgb(99, 163, 127)  
}
```

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(99, 163, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 163, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 31.319, 156.791 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(99, 163, 127) }
```

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

```
.border{ border-color:rgb(99, 163, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 163, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 163, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 163, 127);  
box-shadow:4px 4px 4px 4px rgb(99, 163,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 31.319, 156.791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 163, 127) }
```

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

```
.background{ background-color: rgb(99, 163,  
127) }
```

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