

Converting Colors

CIELCh(62, 39.055, 151.848)

Have a look what the booklet for
CIELCh(62, 39.055, 151.848)
contains.

CIELCh(62, 38.907, 151.785)	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, 38.907, 151.785)

Conversions

Conversions Part 1

Format	Color
Hex	5BA574
RGB	91, 165, 116
RGB Percent	36%, 65%, 45%
CMY	0.6431, 0.3529, 0.5450
CMYK	0.45, 0.00, 0.30, 0.35
HSL	140°, 29%, 50%
HSV	140°, 45%, 65%
XYZ	20.9274, 30.4025, 21.2929
YIQ	137.2880, -28.3750, -30.9270

Conversions

Conversions Part 2

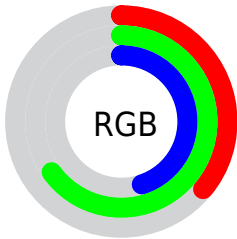
Format	Color
RYB	91, 146, 165
Decimal	6006132
CIELab	62.00, -34.28, 18.39
CIElCh	62, 38.907, 151.785
Yxy	30.4025, 0.2882, 0.4186
Android (android.graphics.Color)	4284196212 (0xFF5BA574)
YUV	137.2880, -10.4950, -40.5946
Hunter-Lab	55.1385, -28.7439, 15.7009

Details

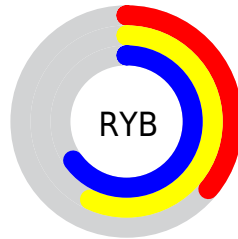
The CIELCh color **62, 38.907, 151.785** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **49, 39.513, 339.411**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **82, 39.235, 151.499**, and **42, 38.782, 151.608** is the 20% darker color. If you saturate the color by 10%, you get **61, 46.892, 150.486**, and if you desaturate by 10%, it is **63, 30.504, 152.919**.

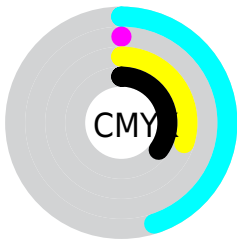
Distribution



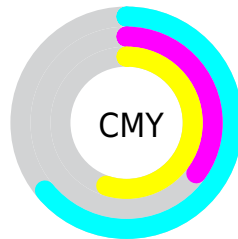
- Red (36%)
- Green (65%)
- Blue (45%)



- Red (36%)
- Yellow (57%)
- Blue (65%)



- Cyan (45%)
- Magenta (0%)
- Yellow (30%)
- Black (35%)





- Cyan (64%)
- Magenta (35%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 38.907, 151.785 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, 38.907, 151.785 by changing the saturation by 10% instead.


 62, 38.907,
151.785


 62, 38.907,
151.785


 100, 38.907,
151.785


 52, 38.907,
151.785


 82, 38.907,
151.785

 42, 38.907,
151.785

 92, 38.907,
151.785

 32, 38.907,
151.785

 22, 38.907,
151.785

 12, 38.907,
151.785

 2, 38.907, 151.785

 0, 38.907, 151.785

■ 62, 38.907,
151.785

■ 62, 38.907,
151.785

■ 61, 46.892,
150.486

■ 63, 30.504,
152.919

■ 60, 54.299,
149.007

■ 64, 21.835,
153.910

■ 60, 60.986,
147.339

■ 66, 13.040,
154.784

■ 60, 66.847,
145.495

■ 67, 4.234, 155.592

■ 59, 71.826,
143.518

■ 69, 4.489, 336.124

■ 59, 74.144,
142.551

■ 70, 13.062,
336.767

■ 72, 21.435,
337.313

■ 74, 29.579,
337.802

■ 76, 37.474,
338.246

Harmonies

Complementary

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



62, 38.907, 151.785



49, 39.513, 339.411

Rectangle

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



62, 38.907, 151.785



62, 38.907, 201.785



62, 38.907, 331.785



62, 38.907, 21.785

Sweetspot

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



62, 38.908, 151.785



83, 14.114, 154.915



64, 41.187, 120.646



44, 9.865, 154.742



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, 38.908, 151.785



78, 57.076, 150.466



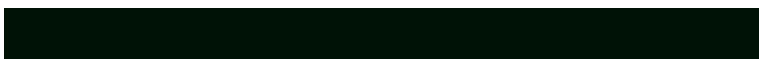
63, 26.158, 181.747



34, 4.914, 155.234



52, 67.188, 142.791



4, 7.814, 154.534

Inverse Universe

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



49, 39.513, 339.411



58, 57.702, 340.437



48, 32.289, 11.499



32, 4.944, 336.462



32, 59.564, 347.270



1, 7.324, 338.417

Previews

White Background



This preview shows how the CIE LCh color 62, 38.907, 151.785 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 62, 38.907, 151.785 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, 38.907, 151.785

Background



This preview shows how black text looks on a background with the CIELCh color 62, 38.907, 151.785.



This preview shows how white text looks on a background with the CIELCh color 62, 38.907, 151.785.

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, 38.907, 151.785

Protanopia
62, 22.747, 95.737

Deuteranopia
62, 17.819, 63.466



Tritanopia
62, 18.998, 220.772

Trichromacy



Original Color
62, 38.907, 151.785

Protanomaly
61, 25.236, 126.556

Deuteranomaly
61, 18.141, 118.615

Tritanomaly
62, 22.425, 182.847

Monochromacy



Original Color
62, 38.907, 151.785

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 14.740, 154.317

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 38.907, 151.785 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(91, 165, 116)` looks like.

```
.text, #text, p{  
    color:rgb(91, 165, 116)  
}
```

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(91, 165, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 165, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 38.907, 151.785 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(91, 165, 116) }
```

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

```
.border{ border-color:rgb(91, 165, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 165, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 165, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 165, 116);  
box-shadow:4px 4px 4px 4px rgb(91, 165,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 38.907, 151.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 165, 116) }
```

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

```
.background{ background-color: rgb(91, 165,  
116) }
```

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