

Converting Colors

CIELCh(62, 14.030, 116.906)

Have a look what the booklet for
CIELCh(62, 14.030, 116.906)
contains.

CIELCh(62, 13.537, 117.283)	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, 13.537, 117.283)

Conversions

Conversions Part 1

Format	Color
Hex	939880
RGB	147, 152, 128
RGB Percent	58%, 60%, 50%
CMY	0.4219, 0.4023, 0.4964
CMYK	0.03, 0.00, 0.16, 0.40
HSL	73°, 10%, 55%
HSV	73°, 16%, 60%
XYZ	27.3261, 30.4025, 24.9899
YIQ	147.7690, 4.7240, -8.5240

Conversions

Conversions Part 2

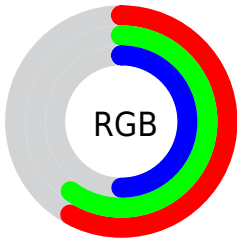
Format	Color
RYB	128, 152, 133
Decimal	9672832
CIELab	62.00, -6.21, 12.03
CIELCh	62, 13.537, 117.283
Yxy	30.4025, 0.3304, 0.3675
Android (android.graphics.Color)	4287862912 (0xFF939880)
YUV	147.7690, -9.7461, -0.6744
Hunter-Lab	55.1385, -8.0296, 11.7255

Details

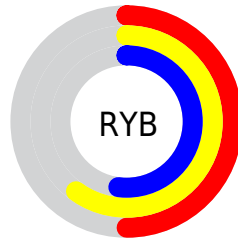
The CIELCh color **62, 13.537, 117.283** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **55, 13.985, 299.444**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 13.325, 117.174**, and **42, 13.365, 117.714** is the 20% darker color. If you saturate the color by 10%, you get **61, 22.052, 116.621**, and if you desaturate by 10%, it is **63, 4.949, 117.948**.

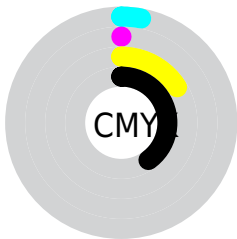
Distribution



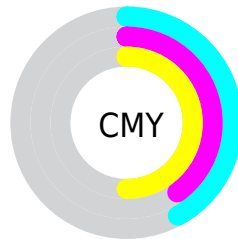
- Red (58%)
- Green (60%)
- Blue (50%)



- Red (50%)
- Yellow (60%)
- Blue (52%)



- Cyan (3%)
- Magenta (0%)
- Yellow (16%)
- Black (40%)





- Cyan (42%)
- Magenta (40%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 13.537, 117.283 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, 13.537, 117.283 by changing the saturation by 10% instead.

 62, 13.537,
117.283


 62, 13.537,
117.283


 100, 13.537,
117.283


 52, 13.537,
117.283


 82, 13.537,
117.283

 42, 13.537,
117.283

 92, 13.537,
117.283

 32, 13.537,
117.283

 22, 13.537,
117.283

 12, 13.537,
117.283

 2, 13.537, 117.283

 0, 13.537, 117.283

■ 62, 13.537,
117.283

■ 62, 13.537,
117.283

■ 61, 22.052,
116.621

■ 63, 4.949, 117.948

■ 61, 30.415,
115.965

■ 63, 3.664, 298.582

■ 60, 38.514,
115.348

■ 64, 12.266,
299.198

■ 60, 46.183,
114.809

■ 65, 20.831,
299.779

■ 60, 53.177,
114.403

■ 66, 29.338,
300.327

■ 59, 59.164,
114.207

■ 66, 37.774,
300.840

■ 59, 63.766,
114.308

■ 67, 46.128,
301.318

■ 59, 66.744,

■ 68, 54.391,
301.763

114.770

■ 69, 56.954,
302.557

■ 59, 67.820,
114.997

Harmonies

Complementary

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



62, 13.537, 117.283



55, 13.985, 299.444

Rectangle

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



62, 13.537, 117.283



62, 13.537, 167.283



62, 13.537, 297.283



62, 13.537, 347.283

Sweetspot

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



62, 13.539, 117.287



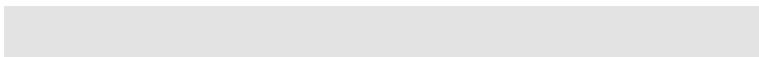
80, 5.340, 117.991



57, 8.315, 39.178



42, 3.634, 117.949



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



62, 13.539, 117.287



79, 20.261, 117.046



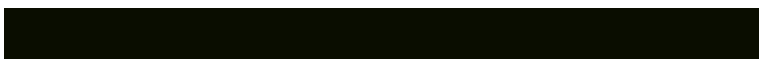
61, 15.056, 135.060



32, 4.876, 117.720



54, 63.800, 114.915



3, 5.299, 118.825

Inverse Universe

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



55, 13.985, 299.444



68, 21.091, 299.741



56, 15.235, 316.374



30, 4.973, 298.945



16, 84.190, 307.490



0, 5.291, 298.181

Previews

White Background



This preview shows how the CIELCh color 62, 13.537, 117.283 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, 13.537, 117.283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

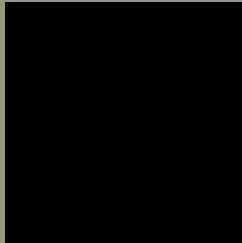
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

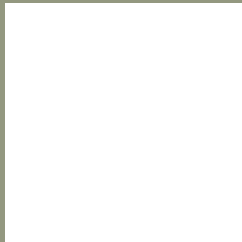
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 62, 13.537, 117.283

Background



This preview shows how black text looks on a background with the CIELCh color 62, 13.537, 117.283.



This preview shows how white text looks on a background with the CIELCh color 62, 13.537, 117.283.

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, 13.537, 117.283

Protanopia

62, 12.829, 92.034

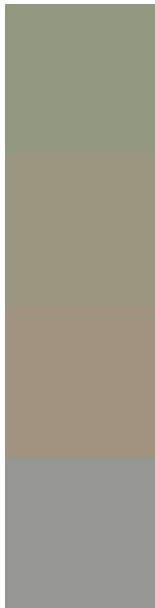
Deuteranopia

62, 13.712, 54.806



Tritanopia
62, 6.931, 303.448

Trichromacy



Original Color
62, 13.537, 117.283

Protanomaly
62, 12.379, 101.218

Deuteranomaly
62, 11.825, 77.612

Tritanomaly
62, 0.552, 110.022

Monochromacy



Original Color
62, 13.537, 117.283

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 5.101, 118.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 13.537, 117.283 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(147, 152, 128)` looks like.

```
.text, #text, p{  
    color:rgb(147, 152, 128)  
}
```

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(147, 152, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 152, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 13.537, 117.283 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(147, 152, 128) }
```

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

```
.border{ border-color:rgb(147, 152, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 152, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 152, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 152, 128);  
box-shadow:4px 4px 4px 4px rgb(147, 152,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 13.537, 117.283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 152, 128) }
```

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

```
.background{ background-color: rgb(147,  
152, 128) }
```

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