

Converting Colors

CIELCh(62, 13.747, 285.610)

Have a look what the booklet for
CIELCh(62, 13.747, 285.610)
contains.

CIELCh(62, 13.517, 285.562)	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, 13.517, 285.562)

Conversions

Conversions Part 1

Format	Color
Hex	9195AD
RGB	145, 149, 173
RGB Percent	57%, 58%, 68%
CMY	0.4325, 0.4168, 0.3227
CMYK	0.16, 0.14, 0.00, 0.32
HSL	231°, 15%, 62%
HSV	231°, 16%, 68%
XYZ	29.8419, 30.4025, 43.6801
YIQ	150.5400, -10.0880, 6.6160

Conversions

Conversions Part 2

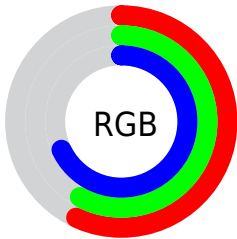
Format	Color
RYB	145, 149, 173
Decimal	9541037
CIELab	62.00, 3.63, -13.02
CIElCh	62, 13.517, 285.562
Yxy	30.4025, 0.2871, 0.2925
Android (android.graphics.Color)	4287731117 (0xFF9195AD)
YUV	150.5400, 11.0728, -4.8586
Hunter-Lab	55.1385, 0.1148, -8.3719

Details

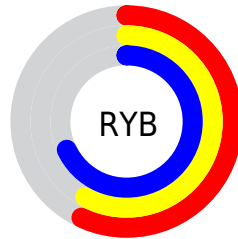
The CIELCh color $62, 13.517, 285.562$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 13.193, 101.877$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 13.300, 285.395$, and $42, 13.952, 286.050$ is the 20% darker color. If you saturate the color by 10%, you get $57, 22.223, 287.010$, and if you desaturate by 10%, it is $67, 5.098, 284.328$.

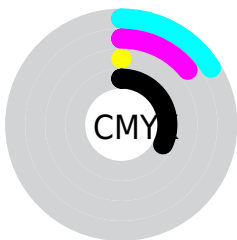
Distribution



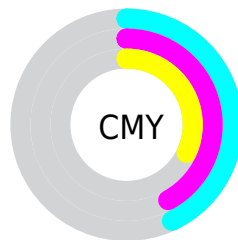
- Red (57%)
- Green (58%)
- Blue (68%)



- Red (57%)
- Yellow (58%)
- Blue (68%)



- Cyan (16%)
- Magenta (14%)
- Yellow (0%)
- Black (32%)





- Cyan (43%)
- Magenta (42%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 13.517, 285.562 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, 13.517, 285.562 by changing the saturation by 10% instead.


 62, 13.517,
285.562


 62, 13.517,
285.562


 100, 13.517,
285.562


 52, 13.517,
285.562


 82, 13.517,
285.562


 42, 13.517,
285.562


 92, 13.517,
285.562

 32, 13.517,
285.562

 22, 13.517,
285.562

 12, 13.517,
285.562

 2, 13.517, 285.562

 0, 13.517, 285.562

62, 13.517,
285.562

62, 13.517,
285.562

57, 22.223,
287.010

67, 5.098, 284.328

51, 31.245,
288.708

73, 3.051, 103.201

46, 40.607,
290.682

78, 10.952,
102.308

41, 50.324,
292.944

83, 18.617,
101.516

36, 60.357,
295.469

88, 26.062,
100.825

31, 70.536,
298.167

93, 33.296,
100.219

27, 80.414,
300.849

98, 39.992,
105.606

24, 89.146,

98, 41.217,
107.031

303.236

■ 23, 91.969,
303.952

Harmonies

Complementary

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



62, 13.517, 285.562



69, 13.193, 101.877

Rectangle

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



62, 13.517, 285.562



62, 13.517, 335.562



62, 13.517, 105.562



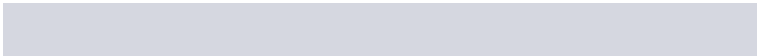
62, 13.517, 155.562

Sweetspot

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



62, 13.516, 285.559



86, 5.073, 284.205



68, 10.512, 185.822



45, 3.460, 284.279



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



62, 13.516, 285.559



77, 19.705, 285.988



62, 16.211, 304.573



34, 4.685, 284.686



19, 82.415, 303.714



1, 10.053, 284.986

Inverse Universe

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



63, 11.297, 9.162



78, 16.534, 9.513



69, 15.753, 122.820



34, 3.880, 8.436



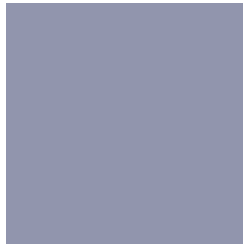
31, 64.524, 32.521



2, 7.931, 9.800

Previews

White Background



This preview shows how the CIELCh color 62, 13.517, 285.562 looks on a white background.

Color Contrast Check

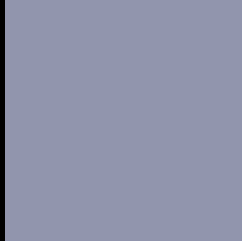
Large Text (above 18pt) WCAG AA × Fail

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, 13.517, 285.562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

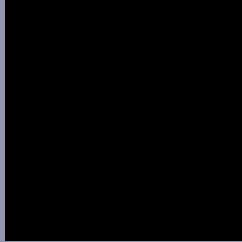
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 13.517, 285.562

Background



This preview shows how black text looks on a background with the CIELCh color 62, 13.517, 285.562.



This preview shows how white text looks on a background with the CIELCh color 62, 13.517, 285.562.

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, 13.517, 285.562

Protanopia

62, 13.517, 285.562

Deuteranopia

62, 15.439, 301.285



Tritanopia
62, 7.162, 269.797

Trichromacy



Original Color
62, 13.517, 285.562

Protanomaly
62, 13.517, 285.562

Deuteranomaly
62, 14.677, 296.002

Tritanomaly
62, 9.195, 277.378

Monochromacy



Original Color
62, 13.517, 285.562

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 4.540, 281.153

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 13.517, 285.562 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(145, 149, 173)` looks like.

```
.text, #text, p{  
    color:rgb(145, 149, 173)  
}
```

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(145, 149, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 149, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 13.517, 285.562 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(145, 149, 173) }
```

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

```
.border{ border-color:rgb(145, 149, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 149, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 149, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 149, 173);  
box-shadow:4px 4px 4px 4px rgb(145, 149,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 13.517, 285.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 149, 173) }
```

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

```
.background{ background-color: rgb(145,  
149, 173) }
```

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