

Converting Colors

CIELCh(63, 7.342, 268.471)

Have a look what the booklet for
CIELCh(63, 7.342, 268.471) contains.

CIELCh(63, 7.268, 267.074)	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(63, 7.268, 267.074)

Conversions

Conversions Part 1

Format	Color
Hex	9199A5
RGB	145, 153, 165
RGB Percent	57%, 60%, 65%
CMY	0.4308, 0.3994, 0.3523
CMYK	0.12, 0.07, 0.00, 0.35
HSL	216°, 10%, 61%
HSV	216°, 12%, 65%
XYZ	29.9244, 31.5869, 40.1894
YIQ	151.9760, -8.6200, 2.0360

Conversions

Conversions Part 2

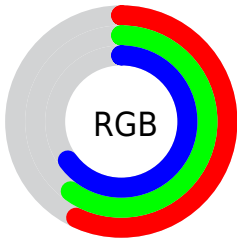
Format	Color
RYB	145, 151, 165
Decimal	9542053
CIELab	63.00, -0.37, -7.26
CIELCh	63, 7.268, 267.074
Yxy	31.5869, 0.2942, 0.3106
Android (android.graphics.Color)	4287732133 (0xFF9199A5)
YUV	151.9760, 6.4208, -6.1180
Hunter-Lab	56.2022, -3.3131, -3.0559

Details

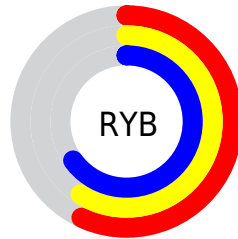
The CIELCh color $63, 7.268, 267.074$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $65, 7.350, 83.866$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 7.373, 268.440$, and $43, 7.241, 265.733$ is the 20% darker color. If you saturate the color by 10%, you get $59, 13.305, 268.635$, and if you desaturate by 10%, it is $67, 1.268, 265.868$.

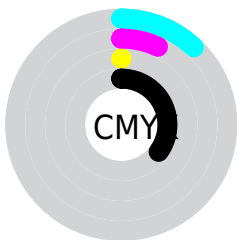
Distribution



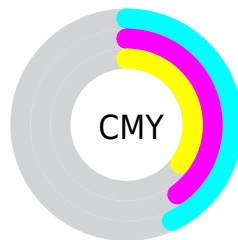
- Red (57%)
- Green (60%)
- Blue (65%)



- Red (57%)
- Yellow (59%)
- Blue (65%)



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)
- Black (35%)



- Cyan (43%)
- Magenta (40%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 7.268, 267.074 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 63, 7.268, 267.074 by changing the saturation by 10% instead.

■ 63, 7.268, 267.074

■ 63, 7.268, 267.074

■ 100, 7.268,
267.074

■ 53, 7.268, 267.074

■ 83, 7.268, 267.074

■ 43, 7.268, 267.074

■ 93, 7.268, 267.074

■ 33, 7.268, 267.074

■ 23, 7.268, 267.074

■ 13, 7.268, 267.074

■ 3, 7.268, 267.074

■ 0, 7.268, 267.074

■ 63, 7.268, 267.074

■ 63, 7.268, 267.074

■ 59, 13.305,

■ 67, 1.268, 265.868

268.635

71, 4.684, 84.444

55, 19.376,
270.488

75, 10.582, 83.459

51, 25.480,
272.663

79, 16.419, 82.582

47, 31.626,
275.203

83, 22.188, 81.808

44, 37.836,
278.141

87, 27.885, 81.122

40, 44.147,
281.479

90, 32.448, 84.124

93, 35.581, 92.759

37, 50.601,
285.166

95, 39.375, 99.769

33, 57.222,
289.074

31, 62.560,
292.057

Harmonies

Complementary

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



63, 7.268, 267.074



65, 7.350, 83.866

Rectangle

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



63, 7.268, 267.074



63, 7.268, 317.074



63, 7.268, 87.074



63, 7.268, 137.074

Sweetspot

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



63, 7.267, 267.064



84, 2.963, 266.023



66, 8.886, 167.378



44, 2.102, 266.102



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



63, 7.267, 267.064



78, 11.131, 267.532



61, 11.305, 294.533



32, 3.359, 266.665



27, 56.321, 291.604



2, 5.415, 268.732

Inverse Universe

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



62, 8.994, 350.463



77, 13.827, 350.784



67, 11.004, 112.461



32, 4.142, 350.178



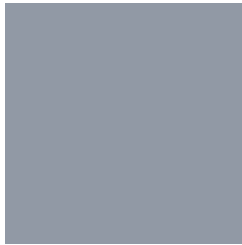
30, 55.689, 10.567



1, 6.211, 351.778

Previews

White Background



This preview shows how the CIELCh color 63, 7.268, 267.074 looks on a white background.

Color Contrast Check

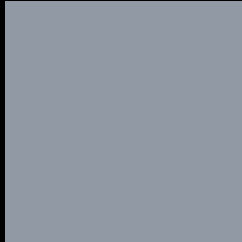
Large Text (above 18pt) WCAG AA × Fail

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 63, 7.268, 267.074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

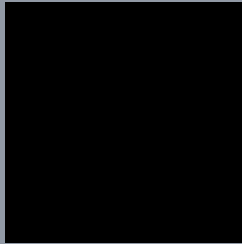
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

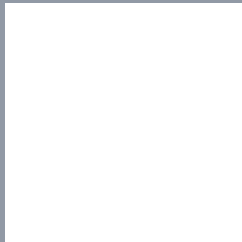
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 7.268, 267.074

Background



This preview shows how black text looks on a background with the CIELCh color 63, 7.268, 267.074.



This preview shows how white text looks on a background with the CIELCh color 63, 7.268, 267.074.

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

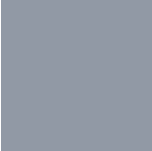
63, 7.268, 267.074

Protanopia

63, 7.297, 293.896

Deuteranopia

63, 11.253, 316.868



Tritanopia
63, 7.268, 267.074

Trichromacy



Original Color
63, 7.268, 267.074

Protanomaly
63, 6.744, 284.597

Deuteranomaly
63, 9.184, 302.816

Tritanomaly
63, 7.268, 267.074

Monochromacy



Original Color
63, 7.268, 267.074

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 2.891, 275.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 7.268, 267.074 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, 153, 165)` looks like.

```
.text, #text, p{  
    color:rgb(145, 153, 165)  
}
```

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, 153, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 153, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 7.268, 267.074 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, 153, 165) }
```

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

```
.border{ border-color:rgb(145, 153, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 153, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 153, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 153, 165);  
box-shadow:4px 4px 4px 4px rgb(145, 153,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 7.268, 267.074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 153, 165) }
```

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

```
.background{ background-color: rgb(145,  
153, 165) }
```

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