

Converting Colors

CIE LCh(67, 6.736, 274.378)

Have a look what the booklet for
CIELCh(67, 6.736, 274.378) contains.

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Color

CIELCh(67, 6.845, 275.387)

Conversions

Conversions Part 1

Format	Color
Hex	9EA3AF
RGB	158, 163, 175
RGB Percent	62%, 64%, 69%
CMY	0.3798, 0.3602, 0.3131
CMYK	0.10, 0.07, 0.00, 0.31
HSL	222°, 10%, 65%
HSV	222°, 10%, 69%
XYZ	35.0056, 36.6320, 45.8599
YIQ	162.8730, -6.8320, 2.6720

Conversions

Conversions Part 2

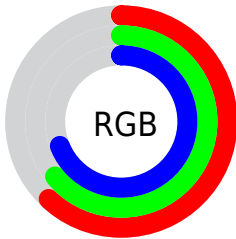
Format	Color
RYB	158, 162, 175
Decimal	10396591
CIELab	67.00, 0.64, -6.81
CIELCh	67, 6.845, 275.387
Yxy	36.6320, 0.2979, 0.3118
Android (android.graphics.Color)	4288586671 (0xFF9EA3AF)
YUV	162.8730, 5.9786, -4.2736
Hunter-Lab	60.5244, -2.6783, -2.5576

Details

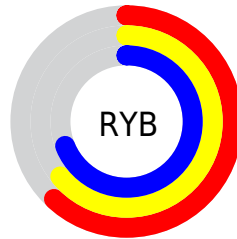
The CIELCh color $67, 6.845, 275.387$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $70, 6.818, 92.934$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $87, 6.997, 276.324$, and $47, 7.242, 278.829$ is the 20% darker color. If you saturate the color by 10%, you get $62, 14.027, 276.826$, and if you desaturate by 10%, it is $72, 0.196, 93.098$.

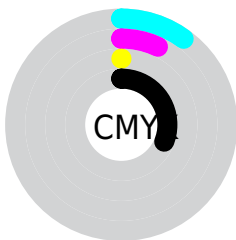
Distribution



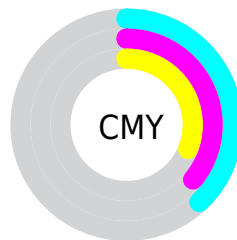
- Red (62%)
- Green (64%)
- Blue (69%)



- Red (62%)
- Yellow (64%)
- Blue (69%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)
- Black (31%)



- Cyan (38%)
- Magenta (36%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 6.845, 275.387 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 67, 6.845, 275.387 by changing the saturation by 10% instead.

■ 67, 6.845, 275.387

■ 67, 6.845, 275.387

■ 100, 6.845,
275.387

■ 57, 6.845, 275.387

■ 87, 6.845, 275.387

■ 47, 6.845, 275.387

■ 97, 6.845, 275.387

■ 37, 6.845, 275.387

■ 27, 6.845, 275.387

■ 17, 6.845, 275.387

■ 7, 6.845, 275.387

■ 0, 6.845, 275.387

■ 67, 6.845, 275.387

■ 67, 6.845, 275.387

■ 62, 14.027,

■ 72, 0.196, 93.098

276.826

76, 7.098, 92.971

58, 21.361,
278.529

81, 13.864, 92.036

53, 28.859,
280.518

86, 20.495, 91.211

48, 36.541,
282.831

90, 26.995, 90.482

44, 44.436,
285.491

94, 32.470, 95.310

40, 52.566,
288.490

97, 37.604,
104.110

35, 60.924,
291.765

32, 69.410,
295.174

28, 77.772,
298.417

Harmonies

Complementary

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



67, 6.845, 275.387



70, 6.818, 92.934

Rectangle

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



67, 6.845, 275.387



67, 6.845, 325.387



67, 6.845, 95.387



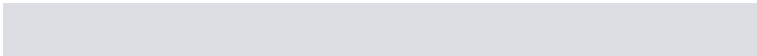
67, 6.845, 145.387

Sweetspot

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



67, 6.844, 275.377



88, 2.601, 274.580



70, 6.934, 175.139



47, 1.987, 274.660



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



67, 6.844, 275.377



83, 10.469, 275.716



66, 9.539, 298.676



34, 3.958, 275.323



24, 68.886, 298.083



2, 8.800, 277.895

Inverse Universe

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



67, 7.109, 357.212



83, 10.904, 357.480



71, 9.342, 117.348



34, 4.109, 357.169



31, 59.002, 20.620



2, 8.298, 0.247

Previews

White Background



This preview shows how the CIELCh color 67, 6.845, 275.387 looks on a white background.

Color Contrast Check

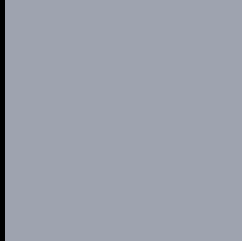
Large Text (above 18pt) WCAG AA × Fail

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 67, 6.845, 275.387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

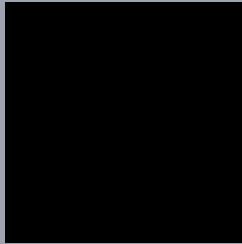
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

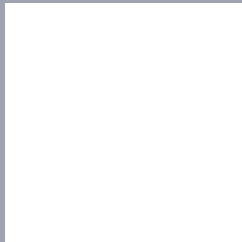
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 6.845, 275.387

Background



This preview shows how black text looks on a background with the CIELCh color 67, 6.845, 275.387.

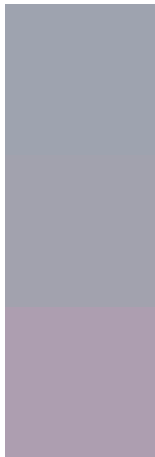


This preview shows how white text looks on a background with the CIELCh color 67, 6.845, 275.387.

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

67, 6.845, 275.387

Protanopia

67, 6.637, 290.871

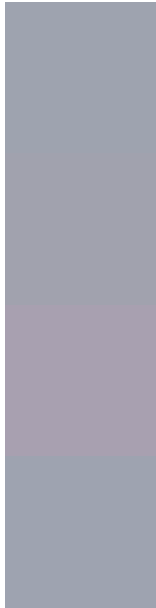
Deuteranopia

67, 11.471, 320.239



Tritanopia
67, 7.377, 276.622

Trichromacy



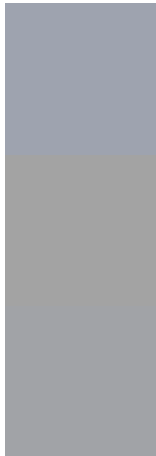
Original Color
67, 6.845, 275.387

Protanomaly
67, 6.642, 287.696

Deuteranomaly
67, 9.375, 309.457

Tritanomaly
67, 7.377, 276.622

Monochromacy



Original Color
67, 6.845, 275.387

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 2.327, 271.655

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 6.845, 275.387 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(158, 163, 175)` looks like.

```
.text, #text, p{  
    color:rgb(158, 163, 175)  
}
```

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(158, 163, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 163, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 6.845, 275.387 is called "border". The border property can be set on classes, ids or directly on the HTML element.

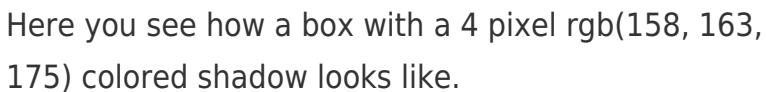
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 163, 175) }
```

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

```
.border{ border-color:rgb(158, 163, 175) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 163, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 163, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 163, 175); box-shadow:4px 4px 4px 4px rgb(158, 163, 175) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 6.845, 275.387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 163, 175) }
```

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

```
.background{ background-color: rgb(158,  
163, 175) }
```

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](#).

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