

Converting Colors

CIELCh(70, 16.615, 269.795)

Have a look what the booklet for
CIELCh(70, 16.615, 269.795)
contains.

CIELCh(70, 16.842, 270.435)	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(70, 16.842, 270.435)

Conversions

Conversions Part 1

Format	Color
Hex	9AACC9
RGB	154, 172, 201
RGB Percent	60%, 67%, 79%
CMY	0.3949, 0.3243, 0.2106
CMYK	0.23, 0.14, 0.00, 0.21
HSL	217°, 30%, 70%
HSV	217°, 23%, 79%
XYZ	38.7712, 40.7494, 61.2701
YIQ	169.9240, -20.0370, 5.2030

Conversions

Conversions Part 2

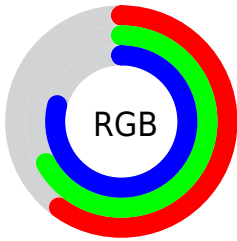
Format	Color
RYB	154, 167, 201
Decimal	10136777
CIELab	70.00, 0.13, -16.84
CIELCh	70, 16.842, 270.435
Yxy	40.7494, 0.2754, 0.2894
Android (android.graphics.Color)	4288326857 (0xFF9AACC9)
YUV	169.9240, 15.3205, -13.9653
Hunter-Lab	63.8353, -3.2974, -12.2228

Details

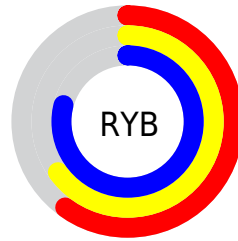
The CIELCh color `70, 16.842, 270.435` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `75, 17.184, 83.933`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `90, 15.584, 268.836`, and `50, 16.790, 270.143` is the 20% darker color. If you saturate the color by 10%, you get `65, 24.155, 272.349`, and if you desaturate by 10%, it is `75, 9.589, 268.805`.

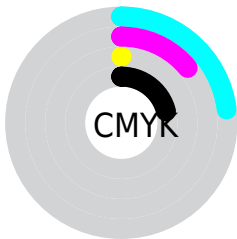
Distribution



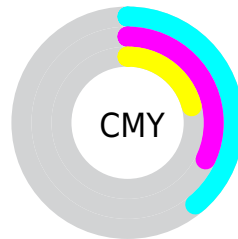
- Red (60%)
- Green (67%)
- Blue (79%)



- Red (60%)
- Yellow (65%)
- Blue (79%)



- Cyan (23%)
- Magenta (14%)
- Yellow (0%)
- Black (21%)





- Cyan (39%)
- Magenta (32%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 16.842, 270.435 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 70, 16.842, 270.435 by changing the saturation by 10% instead.


 70, 16.842,
270.435


 70, 16.842,
270.435


 100, 16.842,
270.435


 60, 16.842,
270.435


 90, 16.842,
270.435

 50, 16.842,
270.435

 40, 16.842,
270.435

 30, 16.842,
270.435

 20, 16.842,
270.435

 10, 16.842,
270.435

 0, 16.842, 270.435

70, 16.842,
270.435

70, 16.842,
270.435

65, 24.155,
272.349

75, 9.589, 268.805

61, 31.535,
274.600

79, 2.402, 267.489

56, 38.997,
277.228

84, 4.714, 86.108

52, 46.572,
280.258

89, 11.751, 85.100

47, 54.307,
283.680

94, 18.703, 84.199

43, 62.242,
287.420

97, 23.320,
100.776

39, 70.368,
291.321

99, 27.081,
108.121

37, 75.839,

293.816

Harmonies

Complementary

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



70, 16.842, 270.435



75, 17.184, 83.933

Rectangle

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



70, 16.842, 270.435



70, 16.842, 320.435



70, 16.842, 90.435



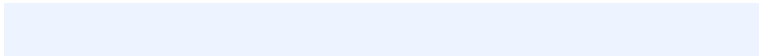
70, 16.842, 140.435

Sweetspot

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



70, 16.841, 270.432



96, 6.077, 267.928



77, 19.522, 168.250



51, 3.949, 268.008



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 16.841, 270.432



84, 24.517, 271.359



66, 26.241, 296.925



39, 4.027, 268.233



30, 63.853, 293.198



4, 15.900, 278.446

Inverse Universe

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



69, 20.500, 352.790



82, 29.943, 353.402



80, 24.879, 112.916



39, 4.830, 351.277



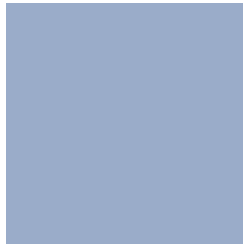
34, 60.867, 12.769



4, 16.939, 359.844

Previews

White Background



This preview shows how the CIELCh color 70, 16.842, 270.435 looks on a white background.

Color Contrast Check

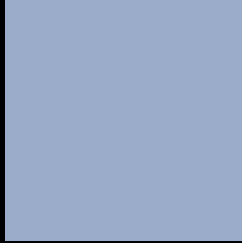
Large Text (above 18pt) WCAG AA × Fail

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 70, 16.842, 270.435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

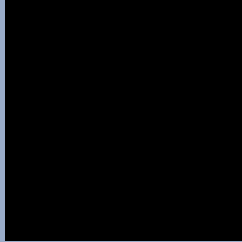
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 16.842, 270.435

Background



This preview shows how black text looks on a background with the CIELCh color 70, 16.842, 270.435.



This preview shows how white text looks on a background with the CIELCh color 70, 16.842, 270.435.

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

70, 16.842, 270.435

Protanopia

70, 16.478, 286.970

Deuteranopia

70, 19.320, 297.238



Tritanopia
70, 10.719, 244.851

Trichromacy



Original Color
70, 16.842, 270.435

Protanomaly
70, 16.654, 281.074

Deuteranomaly
70, 18.097, 288.683

Tritanomaly
70, 12.788, 258.401

Monochromacy



Original Color
70, 16.842, 270.435

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 5.997, 265.618

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 16.842, 270.435 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(154, 172, 201)` looks like.

```
.text, #text, p{  
    color:rgb(154, 172, 201)  
}
```

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(154, 172, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 172, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 16.842, 270.435 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(154, 172, 201) }
```

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

```
.border{ border-color:rgb(154, 172, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 172, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 172, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 172, 201);  
box-shadow:4px 4px 4px 4px rgb(154, 172,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 16.842, 270.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 172, 201) }
```

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

```
.background{ background-color: rgb(154,  
172, 201) }
```

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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