

Converting Colors

CIELCh(71, 12.766, 271.499)

Have a look what the booklet for
CIELCh(71, 12.766, 271.499)
contains.

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Color

CIELCh(71, 12.721, 270.483)

Conversions

Conversions Part 1

Format	Color
Hex	A2AFC5
RGB	162, 175, 197
RGB Percent	64%, 69%, 77%
CMY	0.3660, 0.3151, 0.2288
CMYK	0.18, 0.11, 0.00, 0.23
HSL	218°, 23%, 70%
HSV	218°, 18%, 77%
XYZ	40.1324, 42.1875, 58.6404
YIQ	173.6210, -14.8100, 4.0860

Conversions

Conversions Part 2

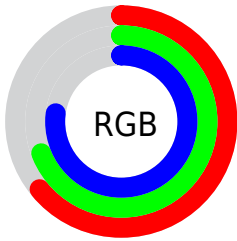
Format	Color
RYB	162, 171, 197
Decimal	10661829
CIELab	71.00, 0.11, -12.72
CIELCh	71, 12.721, 270.483
Yxy	42.1875, 0.2847, 0.2993
Android (android.graphics.Color)	4288851909 (0xFFA2AFC5)
YUV	173.6210, 11.5258, -10.1916
Hunter-Lab	64.9519, -3.3746, -8.0624

Details

The CIELCh color $71, 12.721, 270.483$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $75, 12.873, 85.671$, and the grayscale version is $71, 0.009, 296.813$.

A 20% lighter version of the original color is $91, 13.088, 271.700$, and $51, 12.433, 269.308$ is the 20% darker color. If you saturate the color by 10%, you get $66, 19.970, 272.218$, and if you desaturate by 10%, it is $76, 5.545, 269.011$.

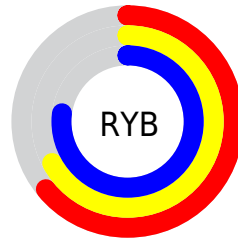
Distribution



Red (64%)

Green (69%)

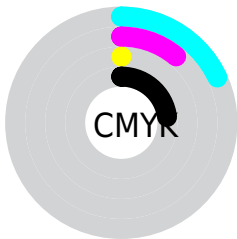
Blue (77%)



Red (64%)

Yellow (67%)

Blue (77%)

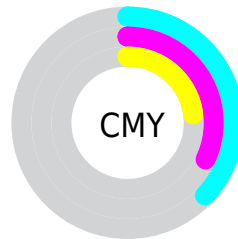


Cyan (18%)

Magenta (11%)

Yellow (0%)

Black (23%)



Cyan (37%)

Magenta (32%)

Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 12.721, 270.483 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 71, 12.721, 270.483 by changing the saturation by 10% instead.


 71, 12.721,
270.483


 71, 12.721,
270.483


 100, 12.721,
270.483


 61, 12.721,
270.483


 91, 12.721,
270.483

 51, 12.721,
270.483

 41, 12.721,
270.483

 31, 12.721,
270.483

 21, 12.721,
270.483

 11, 12.721,
270.483

 1, 12.721, 270.483

0, 12.721, 270.483

71, 12.721,
270.483

71, 12.721,
270.483

66, 19.970,
272.218

76, 5.545, 269.011

80, 1.551, 87.509

62, 27.297,
274.262

85, 8.563, 86.542

57, 34.711,
276.654

90, 15.486, 85.593

52, 42.236,
279.431

94, 21.590, 89.420

97, 26.529,
103.052

48, 49.910,
282.603

99, 29.405,
107.943

44, 57.775,
286.133

■ 40, 65.845,
289.911

■ 36, 74.056,
293.716

■ 36, 75.880,
294.492

Harmonies

Complementary

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



71, 12.721, 270.483



75, 12.873, 85.671

Rectangle

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



71, 12.721, 270.483



71, 12.721, 320.483



71, 12.721, 90.483



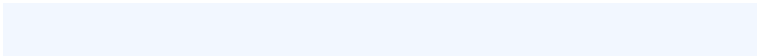
71, 12.721, 140.483

Sweetspot

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



71, 12.720, 270.478



97, 4.390, 268.669



77, 14.661, 168.831



51, 2.996, 268.755



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 12.720, 270.478



88, 18.572, 271.060



68, 19.398, 296.335



39, 4.075, 269.226



29, 65.124, 293.948



4, 16.077, 279.063

Inverse Universe

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



70, 15.118, 352.894



86, 22.144, 353.292



78, 18.642, 113.361



39, 4.798, 352.006



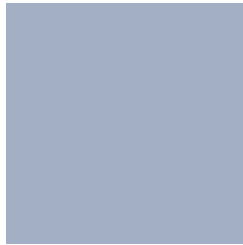
34, 61.028, 13.862



4, 16.871, 0.476

Previews

White Background



This preview shows how the CIELCh color 71, 12.721, 270.483 looks on a white background.

Color Contrast Check

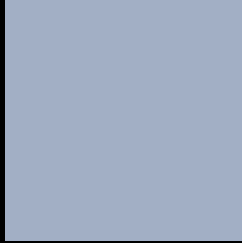
Large Text (above 18pt) WCAG AA × Fail

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 71, 12.721, 270.483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

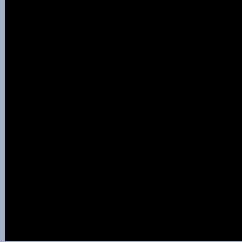
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

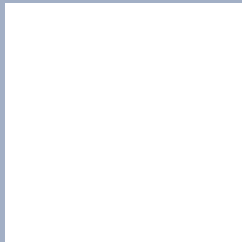
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 71, 12.721, 270.483

Background



This preview shows how black text looks on a background with the CIELCh color 71, 12.721, 270.483.



This preview shows how white text looks on a background with the CIELCh color 71, 12.721, 270.483.

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

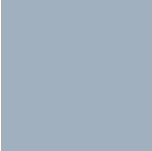
71, 12.721, 270.483

Protanopia

71, 12.581, 288.188

Deuteranopia

71, 16.323, 304.301



Tritanopia
71, 9.391, 253.848

Trichromacy



Original Color
71, 12.721, 270.483

Protanomaly
71, 12.696, 281.841

Deuteranomaly
71, 14.798, 294.359

Tritanomaly
71, 10.088, 259.411

Monochromacy



Original Color
71, 12.721, 270.483

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 4.707, 267.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 12.721, 270.483 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(162, 175, 197)` looks like.

```
.text, #text, p{  
    color:rgb(162, 175, 197)  
}
```

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(162, 175, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 175, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 12.721, 270.483 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(162, 175, 197) }
```

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

```
.border{ border-color:rgb(162, 175, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 175, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 175, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 175, 197);  
box-shadow:4px 4px 4px 4px rgb(162, 175,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 12.721, 270.483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 175, 197) }
```

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

```
.background{ background-color: rgb(162,  
175, 197) }
```

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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