

Converting Colors

CIELCh(70, 13.147, 291.479)

Have a look what the booklet for
CIELCh(70, 13.147, 291.479)
contains.

CIELCh(70, 13.161, 291.486)	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, 13.161, 291.486)

Conversions

Conversions Part 1

Format	Color
Hex	A9A9C1
RGB	169, 169, 193
RGB Percent	66%, 66%, 76%
CMY	0.3366, 0.3366, 0.2425
CMYK	0.12, 0.12, 0.00, 0.24
HSL	240°, 16%, 71%
HSV	240°, 12%, 76%
XYZ	40.2618, 40.7494, 56.2958
YIQ	171.7360, -7.7040, 7.4640

Conversions

Conversions Part 2

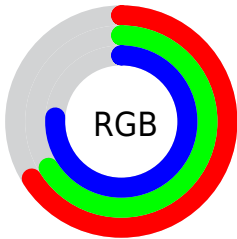
Format	Color
RYB	169, 169, 193
Decimal	11119041
CIELab	70.00, 4.82, -12.25
CIELCh	70, 13.161, 291.486
Yxy	40.7494, 0.2932, 0.2968
Android (android.graphics.Color)	4289309121 (0xFFA9A9C1)
YUV	171.7360, 10.4832, -2.3995
Hunter-Lab	63.8353, 0.8708, -7.6027

Details

The CIELCh color $70, 13.161, 291.486$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $78, 12.793, 108.983$, and the grayscale version is $70, 0.009, 296.813$.

A 20% lighter version of the original color is $90, 13.011, 291.232$, and $50, 12.892, 291.840$ is the 20% darker color. If you saturate the color by 10%, you get $63, 24.237, 292.741$, and if you desaturate by 10%, it is $77, 2.526, 290.434$.

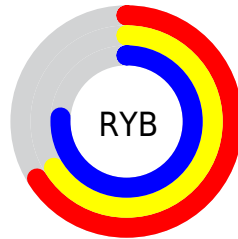
Distribution



Red (66%)

Green (66%)

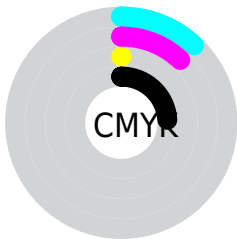
Blue (76%)



Red (66%)

Yellow (66%)

Blue (76%)

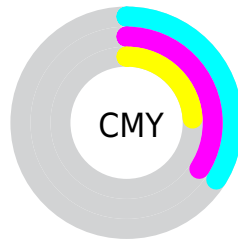


Cyan (12%)

Magenta (12%)

Yellow (0%)

Black (24%)



Cyan (34%)


Magenta (34%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 13.161, 291.486 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, 13.161, 291.486 by changing the saturation by 10% instead.


 70, 13.161,
291.486

 70, 13.161,
291.486

 100, 13.161,
291.486


 60, 13.161,
291.486

 90, 13.161,
291.486

 50, 13.161,
291.486

 40, 13.161,
291.486

 30, 13.161,
291.486

 20, 13.161,
291.486

 10, 13.161,
291.486

 0, 13.161, 291.486

70, 13.161,
291.486

70, 13.161,
291.486

63, 24.237,
292.741

77, 2.526, 290.434

57, 35.792,
294.222

83, 7.697, 109.493

50, 47.843,
295.947

89, 17.540,
108.726

44, 60.353,
297.914

96, 27.032,
108.068

38, 73.136,
300.070

99, 31.135,
107.809

32, 85.663,
302.266

28, 96.793,
304.234

25, 104.789,

305.632

■ 23, 108.584,
306.286

Harmonies

Complementary

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



70, 13.161, 291.486



78, 12.793, 108.983

Rectangle

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



70, 13.161, 291.486



70, 13.161, 341.486



70, 13.161, 111.486



70, 13.161, 161.486

Sweetspot

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



70, 13.159, 291.482



95, 5.142, 290.587



76, 8.580, 197.357



50, 3.658, 290.661



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



70, 13.159, 291.482



86, 19.689, 291.815



71, 13.843, 309.046



37, 5.984, 291.138



18, 94.720, 306.286



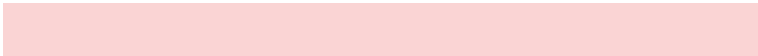
1, 19.478, 291.133

Inverse Universe

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



71, 9.265, 20.157



88, 13.937, 20.389



77, 13.600, 127.934



38, 4.187, 19.914



33, 73.725, 39.721



3, 13.999, 19.401

Previews

White Background



This preview shows how the CIELCh color 70, 13.161, 291.486 looks on a white background.

Color Contrast Check

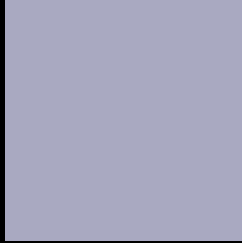
Large Text (above 18pt) WCAG AA × Fail

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 70, 13.161, 291.486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

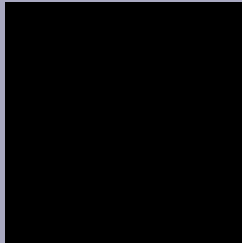
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

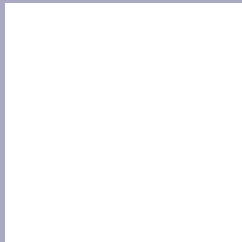
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 13.161, 291.486

Background



This preview shows how black text looks on a background with the CIELCh color 70, 13.161, 291.486.



This preview shows how white text looks on a background with the CIELCh color 70, 13.161, 291.486.

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, 13.161, 291.486

Protanopia

70, 13.171, 286.868

Deuteranopia

70, 15.294, 305.165



Tritanopia
70, 7.184, 282.175

Trichromacy



Original Color
70, 13.161, 291.486

Protanomaly
70, 13.154, 288.398

Deuteranomaly
70, 14.456, 300.096

Tritanomaly
70, 9.332, 286.684

Monochromacy



Original Color
70, 13.161, 291.486

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 4.931, 290.680

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 13.161, 291.486 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(169, 169, 193)` looks like.

```
.text, #text, p{  
    color:rgb(169, 169, 193)  
}
```

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(169, 169, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 169, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 13.161, 291.486 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(169, 169, 193) }
```

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

```
.border{ border-color:rgb(169, 169, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 169, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 169, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 169, 193); box-shadow:4px 4px 4px 4px rgb(169, 169, 193) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 13.161, 291.486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 169, 193) }
```

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

```
.background{ background-color: rgb(169,  
169, 193) }
```

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