

Converting Colors

CIELCh(70, 30.728, 287.167)

Have a look what the booklet for
CIELCh(70, 30.728, 287.167)
contains.

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Color

CIELCh(70, 30.761, 287.188)

Conversions

Conversions Part 1

Format	Color
Hex	9EA8E0
RGB	158, 168, 224
RGB Percent	62%, 66%, 88%
CMY	0.3797, 0.3405, 0.1208
CMYK	0.29, 0.25, 0.00, 0.12
HSL	231°, 52%, 75%
HSV	231°, 29%, 88%
XYZ	41.6509, 40.7494, 76.3241
YIQ	171.3940, -23.9360, 15.2960

Conversions

Conversions Part 2

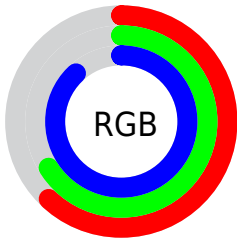
Format	Color
RYB	158, 167, 224
Decimal	10397920
CIELab	70.00, 9.09, -29.39
CIElCh	70, 30.761, 287.188
Yxy	40.7494, 0.2624, 0.2567
Android (android.graphics.Color)	4288588000 (0xFF9EA8E0)
YUV	171.3940, 25.9348, -11.7465
Hunter-Lab	63.8353, 4.7549, -26.2049

Details

The CIELCh color `70, 30.761, 287.188` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `85, 29.391, 99.873`, and the grayscale version is `70, 0.009, 296.813`.

A 20% lighter version of the original color is `89, 16.873, 281.296`, and `50, 31.094, 287.535` is the 20% darker color. If you saturate the color by 10%, you get `63, 41.948, 289.030`, and if you desaturate by 10%, it is `77, 19.969, 285.613`.

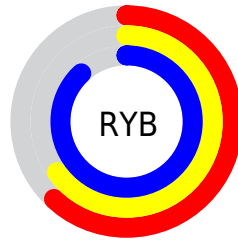
Distribution



Red (62%)

Green (66%)

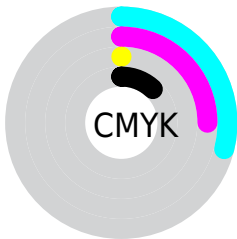
Blue (88%)



Red (62%)

Yellow (65%)

Blue (88%)

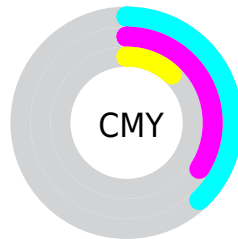


Cyan (29%)

Magenta (25%)

Yellow (0%)

Black (12%)



Cyan (38%)


Magenta (34%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 30.761, 287.188 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, 30.761, 287.188 by changing the saturation by 10% instead.


 70, 30.761,
287.188


 70, 30.761,
287.188


 100, 30.761,
287.188


 60, 30.761,
287.188


 90, 30.761,
287.188

 50, 30.761,
287.188

 40, 30.761,
287.188

 30, 30.761,
287.188

 20, 30.761,
287.188

 10, 30.761,
287.188

 0, 30.761, 287.188

70, 30.761,
287.188

70, 30.761,
287.188

63, 41.948,
289.030

77, 19.969,
285.613

57, 53.566,
291.169

83, 9.544, 284.275

51, 65.616,
293.606

90, 0.544, 102.848

45, 78.009,
296.292

96, 10.320,
102.109

39, 90.427,
299.094

99, 15.588,
108.999

34, 102.126,
301.777

31, 111.882,
304.007

31, 112.347,

Harmonies

Complementary

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



70, 30.761, 287.188



85, 29.391, 99.873

Rectangle

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



70, 30.761, 287.188



70, 30.761, 337.188



70, 30.761, 107.188



70, 30.761, 157.188

Sweetspot

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



70, 30.760, 287.187



93, 10.093, 284.229



85, 23.069, 183.205



49, 7.029, 284.410



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, 30.760, 287.187



75, 41.011, 288.223



69, 37.159, 304.928



44, 5.744, 284.276



23, 92.661, 303.769



3, 28.334, 292.501

Inverse Universe

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



72, 26.370, 10.215



77, 35.282, 11.103



86, 35.118, 121.417



44, 4.814, 7.805



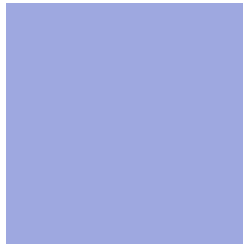
37, 72.511, 32.660



6, 25.296, 14.538

Previews

White Background



This preview shows how the CIELCh color 70, 30.761, 287.188 looks on a white background.

Color Contrast Check

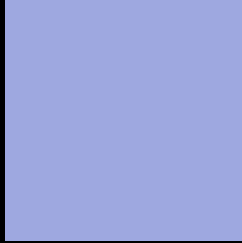
Large Text (above 18pt) WCAG AA × Fail

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, 30.761, 287.188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

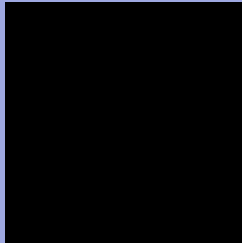
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 30.761, 287.188

Background



This preview shows how black text looks on a background with the CIELCh color 70, 30.761, 287.188.



This preview shows how white text looks on a background with the CIELCh color 70, 30.761, 287.188.

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, 30.761, 287.188

Protanopia

70, 30.815, 285.435

Deuteranopia

70, 30.737, 287.770



Tritanopia
70, 11.188, 242.348

Trichromacy



Original Color
70, 30.761, 287.188

Protanomaly
70, 30.784, 286.009

Deuteranomaly
70, 30.737, 287.770

Tritanomaly
70, 16.937, 269.366

Monochromacy



Original Color
70, 30.761, 287.188

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 11.014, 283.834

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 30.761, 287.188 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, 168, 224)` looks like.

```
.text, #text, p{  
    color:rgb(158, 168, 224)  
}
```

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, 168, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 168, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 30.761, 287.188 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, 168, 224) }
```

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

```
.border{ border-color:rgb(158, 168, 224) }
```

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

Here you see how a box with a 4 pixel rgb(158, 168, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 168, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 168, 224);  
box-shadow:4px 4px 4px 4px rgb(158, 168,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 30.761, 287.188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 168, 224) }
```

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

```
.background{ background-color: rgb(158,  
168, 224) }
```

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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