

Converting Colors

CIELCh(77, 18.901, 270.746)

Have a look what the booklet for
CIELCh(77, 18.901, 270.746)
contains.

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Color

CIELCh(77, 19.230, 271.659)

Conversions

Conversions Part 1

Format	Color
Hex	ABBFE1
RGB	171, 191, 225
RGB Percent	67%, 75%, 88%
CMY	0.3283, 0.2498, 0.1165
CMYK	0.24, 0.15, 0.00, 0.12
HSL	218°, 48%, 78%
HSV	218°, 24%, 88%
XYZ	49.1837, 51.5317, 78.8039
YIQ	188.8960, -22.8340, 6.3340

Conversions

Conversions Part 2

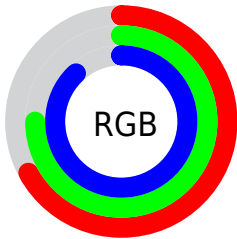
Format	Color
R_{YB}	171, 186, 225
Decimal	11255777
CIELab	77.00, 0.56, -19.22
CIElCh	77, 19.230, 271.659
Yxy	51.5317, 0.2740, 0.2871
Android (android.graphics.Color)	4289445857 (0xFFABBFE1)
YUV	188.8960, 17.7993, -15.6948
Hunter-Lab	71.7856, -3.3260, -14.8367

Details

The CIELCh color $77, 19.230, 271.659$ is a light color, and the websafe version is hex $99CCFF$. A complement of this color would be $83, 19.554, 84.937$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $96, 7.855, 230.648$, and $57, 19.241, 271.572$ is the 20% darker color. If you saturate the color by 10%, you get $72, 27.394, 273.602$, and if you desaturate by 10%, it is $82, 11.150, 270.004$.

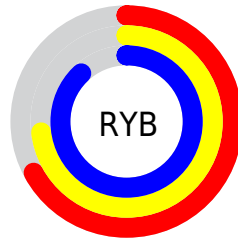
Distribution



Red (67%)

Green (75%)

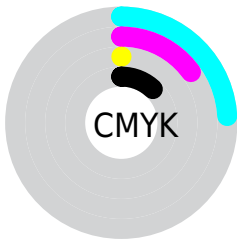
Blue (88%)



Red (67%)

Yellow (73%)

Blue (88%)

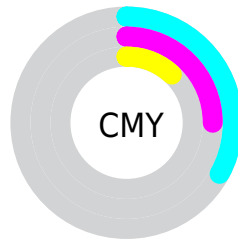


Cyan (24%)

Magenta (15%)

Yellow (0%)

Black (12%)



Cyan (33%)

Magenta (25%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 19.230, 271.659 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 77, 19.230, 271.659 by changing the saturation by 10% instead.

■ 77, 19.230,
271.659

■ 77, 19.230,
271.659

■ 100, 19.230,
271.659

■ 67, 19.230,
271.659

■ 97, 19.230,
271.659

■ 57, 19.230,
271.659

■ 47, 19.230,
271.659

■ 37, 19.230,
271.659

■ 27, 19.230,
271.659

■ 17, 19.230,
271.659

■ 7, 19.230, 271.659

0, 19.230, 271.659

77, 19.230,
271.659

77, 19.230,
271.659

72, 27.394,
273.602

82, 11.150,
270.004

67, 35.654,
275.886

88, 3.158, 268.649

61, 44.031,
278.550

93, 4.741, 87.273

98, 11.825, 96.868

56, 52.561,
281.615

99, 15.025,
109.042

52, 61.293,
285.063

47, 70.259,
288.807

■ 43, 79.416,
292.673

■ 41, 84.968,
294.903

Harmonies

Complementary

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



77, 19.230, 271.659



83, 19.554, 84.937

Rectangle

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



77, 19.230, 271.659



77, 19.230, 321.659



77, 19.230, 91.659



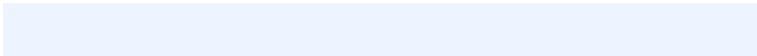
77, 19.230, 141.659

Sweetspot

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



77, 19.229, 271.656



96, 6.157, 269.022



86, 21.943, 168.166



51, 4.001, 269.102



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 19.229, 271.656



83, 25.790, 272.634



72, 29.565, 297.012



44, 4.507, 269.345



32, 69.411, 294.255



6, 23.010, 284.686

Inverse Universe

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



75, 22.933, 353.704



81, 30.852, 354.361



88, 27.975, 112.854



44, 5.297, 352.095



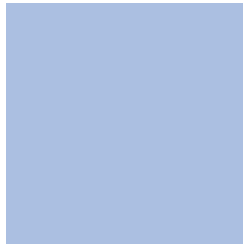
37, 64.595, 14.320



6, 25.556, 3.625

Previews

White Background



This preview shows how the CIE LCh color 77, 19.230, 271.659 looks on a white background.

Color Contrast Check

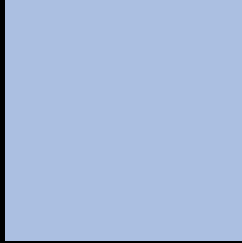
Large Text (above 18pt) WCAG AA × Fail

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 77, 19.230, 271.659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

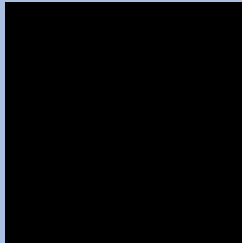
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 19.230, 271.659

Background



This preview shows how black text looks on a background with the CIELCh color 77, 19.230, 271.659.



This preview shows how white text looks on a background with the CIELCh color 77, 19.230, 271.659.

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

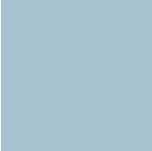
77, 19.230, 271.659

Protanopia

77, 18.853, 286.742

Deuteranopia

77, 22.174, 296.577



Tritanopia
77, 11.843, 241.966

Trichromacy



Original Color
77, 19.230, 271.659

Protanomaly
77, 19.019, 281.712

Deuteranomaly
77, 20.991, 288.422

Tritanomaly
77, 14.132, 256.096

Monochromacy



Original Color
77, 19.230, 271.659

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 6.868, 269.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 19.230, 271.659 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(171, 191, 225)` looks like.

```
.text, #text, p{  
    color:rgb(171, 191, 225)  
}
```

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(171, 191, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 191, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 19.230, 271.659 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(171, 191, 225) }
```

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

```
.border{ border-color:rgb(171, 191, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 191, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 191, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 191, 225);  
box-shadow:4px 4px 4px 4px rgb(171, 191,  
225) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 19.230, 271.659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 191, 225) }
```

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

```
.background{ background-color: rgb(171,  
191, 225) }
```

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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