

Converting Colors

CIELCh(77, 14.347, 272.741)

Have a look what the booklet for
CIELCh(77, 14.347, 272.741)
contains.

CIELCh(77, 14.131, 271.596)	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(77, 14.131, 271.596)

Conversions

Conversions Part 1

Format	Color
Hex	B1BFD8
RGB	177, 191, 216
RGB Percent	69%, 75%, 85%
CMY	0.3061, 0.2512, 0.1532
CMYK	0.18, 0.12, 0.00, 0.15
HSL	218°, 33%, 77%
HSV	218°, 18%, 85%
XYZ	49.1238, 51.5317, 72.2828
YIQ	189.6640, -16.3690, 4.8070

Conversions

Conversions Part 2

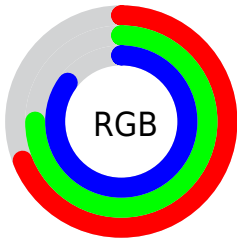
Format	Color
R _Y B	177, 187, 216
Decimal	11648984
CIE Lab	77.00, 0.39, -14.13
CIE LCh	77, 14.131, 271.596
Yxy	51.5317, 0.2841, 0.2980
Android (android.graphics.Color)	4289839064 (0xFFB1BFD8)
YUV	189.6640, 12.9836, -11.1063
Hunter-Lab	71.7856, -3.4751, -9.4507

Details

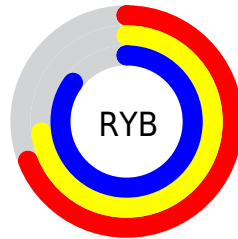
The CIELCh color $77, 14.131, 271.596$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $82, 14.263, 86.698$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $96, 6.236, 240.403$, and $57, 13.884, 270.700$ is the 20% darker color. If you saturate the color by 10%, you get $72, 22.087, 273.344$, and if you desaturate by 10%, it is $82, 6.270, 270.112$.

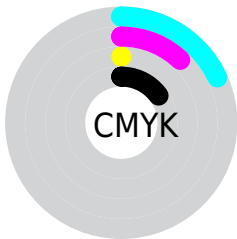
Distribution



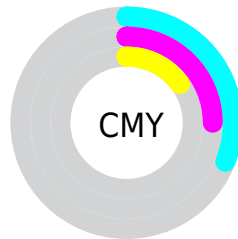
- Red (69%)
- Green (75%)
- Blue (85%)



- Red (69%)
- Yellow (73%)
- Blue (85%)



- Cyan (18%)
- Magenta (12%)
- Yellow (0%)
- Black (15%)



- Cyan (31%)
- Magenta (25%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 14.131, 271.596 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, 14.131, 271.596 by changing the saturation by 10% instead.

 77, 14.131,
271.596

 77, 14.131,
271.596


 100, 14.131,
271.596

 67, 14.131,
271.596

 97, 14.131,
271.596

 57, 14.131,
271.596

 47, 14.131,
271.596

 37, 14.131,
271.596

 27, 14.131,
271.596

 17, 14.131,
271.596

 7, 14.131, 271.596

0, 14.131, 271.596

77, 14.131,
271.596

77, 14.131,
271.596

72, 22.087,
273.344

82, 6.270, 270.112

67, 30.146,
275.402

87, 1.490, 88.593

62, 38.321,
277.811

92, 9.146, 87.634

57, 46.641,
280.604

97, 15.776, 97.207

52, 55.147,
283.789

99, 19.743,
108.683

47, 63.878,
287.319

■ 43, 72.831,
291.075

■ 39, 81.894,
294.825

■ 38, 83.654,
295.498

Harmonies

Complementary

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



77, 14.131, 271.596



82, 14.263, 86.698

Rectangle

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



77, 14.131, 271.596



77, 14.131, 321.596



77, 14.131, 91.596



77, 14.131, 141.596

Sweetspot

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



77, 14.130, 271.591



97, 4.448, 269.729



83, 15.867, 169.842



51, 3.035, 269.815



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, 14.130, 271.591



87, 19.748, 272.284



74, 21.280, 296.973



42, 4.390, 270.296



30, 69.063, 294.875



5, 20.609, 282.990

Inverse Universe

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



76, 16.456, 353.752



86, 23.083, 354.231



85, 20.439, 114.023



42, 5.065, 352.822



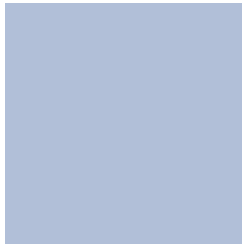
36, 63.380, 15.266



5, 22.510, 3.059

Previews

White Background



This preview shows how the CIELCh color 77, 14.131, 271.596 looks on a white background.

Color Contrast Check

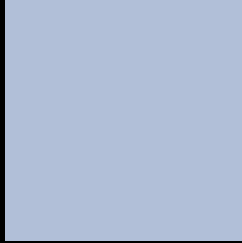
Large Text (above 18pt) WCAG AA × Fail

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, 14.131, 271.596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

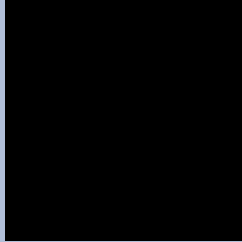
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 14.131, 271.596

Background



This preview shows how black text looks on a background with the CIELCh color 77, 14.131, 271.596.



This preview shows how white text looks on a background with the CIELCh color 77, 14.131, 271.596.

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, 14.131, 271.596

Protanopia

77, 13.985, 288.615

Deuteranopia

77, 17.633, 303.157



Tritanopia
77, 10.300, 255.948

Trichromacy



Original Color
77, 14.131, 271.596

Protanomaly
77, 14.080, 282.995

Deuteranomaly
77, 16.151, 292.887

Tritanomaly
77, 11.474, 262.285

Monochromacy



Original Color
77, 14.131, 271.596

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 5.130, 270.130

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 14.131, 271.596 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(177, 191, 216)` looks like.

```
.text, #text, p{  
    color:rgb(177, 191, 216)  
}
```

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(177, 191, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 191, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 14.131, 271.596 is called "border". The border property can be set on classes, ids or directly on the HTML element.

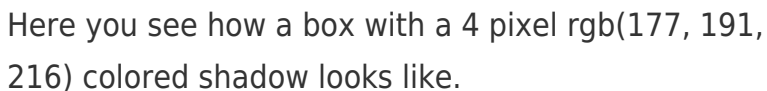
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 191, 216) }
```

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

```
.border{ border-color:rgb(177, 191, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 191, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 191, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 191, 216); box-shadow:4px 4px 4px 4px rgb(177, 191, 216) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 14.131, 271.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 191, 216) }
```

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

```
.background{ background-color: rgb(177,  
191, 216) }
```

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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