

Converting Colors

CIELCh(77, 18.680, 227.808)

Have a look what the booklet for
CIELCh(77, 18.680, 227.808)
contains.

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Color

CIELCh(77, 18.680, 227.808)

Conversions

Conversions Part 1

Format	Color
Hex	93C6D7
RGB	147, 198, 215
RGB Percent	58%, 78%, 84%
CMY	0.4233, 0.2233, 0.1566
CMYK	0.32, 0.08, 0.00, 0.16
HSL	195°, 46%, 71%
HSV	195°, 32%, 84%
XYZ	44.5231, 51.5317, 71.9285
YIQ	184.6890, -35.8530, -5.5250

Conversions

Conversions Part 2

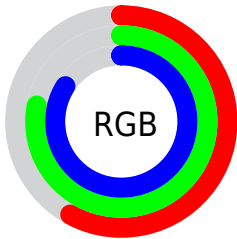
Format	Color
RYB	147, 176, 215
Decimal	9684695
CIELab	77.00, -12.55, -13.84
CIELCh	77, 18.680, 227.808
Yxy	51.5317, 0.2650, 0.3068
Android (android.graphics.Color)	4287874775 (0xFF93C6D7)
YUV	184.6890, 14.9433, -33.0533
Hunter-Lab	71.7856, -14.9151, -9.1581

Details

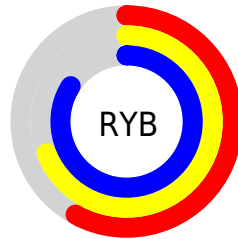
The CIELCh color **77, 18.680, 227.808** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **72, 23.031, 44.351**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 17.181, 198.366**, and **57, 18.546, 227.821** is the 20% darker color. If you saturate the color by 10%, you get **74, 23.666, 229.086**, and if you desaturate by 10%, it is **80, 13.188, 226.831**.

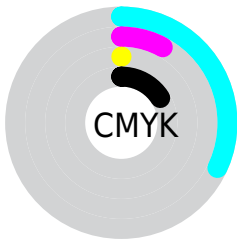
Distribution



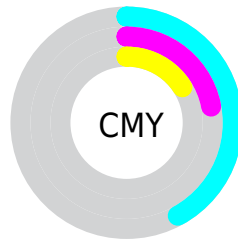
- Red (58%)
- Green (78%)
- Blue (84%)



- Red (58%)
- Yellow (69%)
- Blue (84%)



- Cyan (32%)
- Magenta (8%)
- Yellow (0%)
- Black (16%)



- Cyan (42%)
- Magenta (22%)
- Yellow (16%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 18.680, 227.808 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, 18.680, 227.808 by changing the saturation by 10% instead.

 77, 18.680,
227.808

 77, 18.680,
227.808

 100, 18.680,
227.808

 67, 18.680,
227.808


 97, 18.680,
227.808

 57, 18.680,
227.808

 47, 18.680,
227.808

 37, 18.680,
227.808

 27, 18.680,
227.808

 17, 18.680,
227.808

 7, 18.680, 227.808

0, 18.680, 227.808

77, 18.680,
227.808

77, 18.680,
227.808

74, 23.666,
229.086

80, 13.188,
226.831

72, 28.064,
230.751

83, 7.280, 226.120

70, 31.805,
232.885

86, 1.040, 226.022

89, 5.460, 44.973

67, 34.857,
235.582

92, 12.155, 44.733

65, 37.243,
238.925

93, 12.085, 60.150

94, 12.784, 75.197

64, 39.064,
242.963

96, 14.251, 87.850

■ 62, 40.344,
246.759

■ 97, 16.271, 97.694

Harmonies

Complementary

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



77, 18.680, 227.808



72, 23.031, 44.351

Rectangle

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



77, 18.680, 227.808



77, 18.680, 277.808



77, 18.680, 47.808



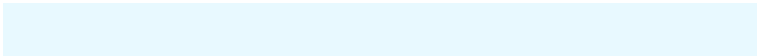
77, 18.680, 97.808

Sweetspot

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



77, 18.680, 227.804



97, 6.515, 225.983



80, 37.244, 149.235



51, 4.511, 226.060



0, 0.000, 0.000



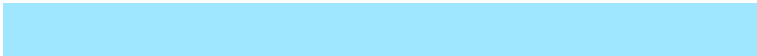
53, 0.007, 296.813

Same Dimension

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



77, 18.680, 227.804



88, 25.139, 228.631



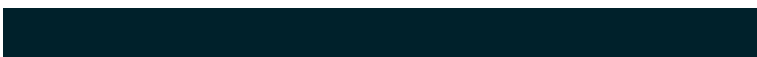
68, 27.870, 280.854



44, 3.564, 226.000



50, 33.836, 245.944



11, 12.784, 236.265

Inverse Universe

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



69, 37.044, 334.500



77, 50.891, 335.012



80, 27.388, 92.178



42, 6.591, 332.920



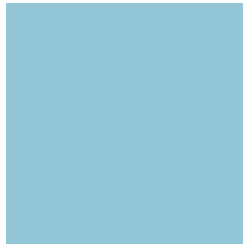
38, 70.777, 341.261



6, 27.424, 338.359

Previews

White Background



This preview shows how the CIELCh color 77, 18.680, 227.808 looks on a white background.

Color Contrast Check

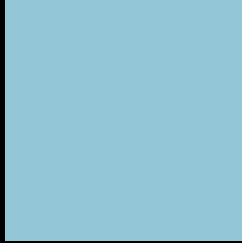
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 77, 18.680, 227.808 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, 18.680, 227.808

Background



This preview shows how black text looks on a background with the CIELCh color 77, 18.680, 227.808.

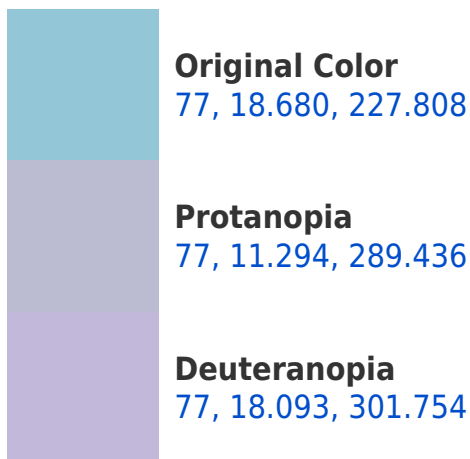


This preview shows how white text looks on a background with the CIELCh color 77, 18.680, 227.808.

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





Tritanopia
77, 18.483, 226.229

Trichromacy



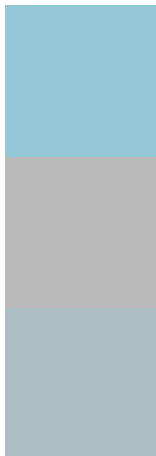
Original Color
77, 18.680, 227.808

Protanomaly
77, 12.142, 256.623

Deuteranomaly
77, 15.057, 274.378

Tritanomaly
77, 18.483, 226.229

Monochromacy



Original Color
77, 18.680, 227.808

Achromatopsia
75, 0.009, 296.813

Achromatomaly
76, 7.415, 224.917

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 18.680, 227.808 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(147, 198, 215)` looks like.

```
.text, #text, p{  
    color:rgb(147, 198, 215)  
}
```

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(147, 198, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 198, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 18.680, 227.808 is called "border". The border property can be set on classes, ids or directly on the HTML element.

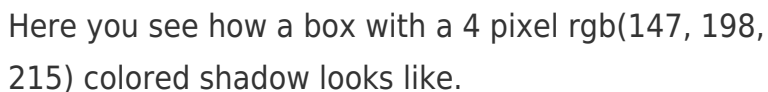
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 198, 215) }
```

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

```
.border{ border-color:rgb(147, 198, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 198, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 198, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 198, 215); box-shadow:4px 4px 4px 4px rgb(147, 198, 215) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 18.680, 227.808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 198, 215) }
```

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

```
.background{ background-color: rgb(147,  
198, 215) }
```

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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