

Converting Colors

CIELCh(77, 12.276, 237.593)

Have a look what the booklet for
CIELCh(77, 12.276, 237.593)
contains.

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Color

CIELCh(77, 12.266, 236.788)

Conversions

Conversions Part 1

Format	Color
Hex	A6C3D1
RGB	166, 195, 209
RGB Percent	65%, 76%, 82%
CMY	0.3503, 0.2366, 0.1818
CMYK	0.21, 0.07, 0.00, 0.18
HSL	200°, 32%, 73%
HSV	200°, 21%, 82%
XYZ	46.5577, 51.5317, 67.5868
YIQ	187.9250, -21.7780, -1.7940

Conversions

Conversions Part 2

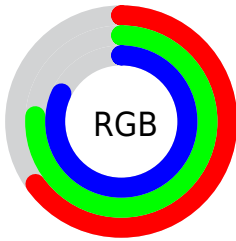
Format	Color
RYB	166, 183, 209
Decimal	10929105
CIELab	77.00, -6.72, -10.26
CIELCh	77, 12.266, 236.788
Yxy	51.5317, 0.2810, 0.3110
Android (android.graphics.Color)	4289119185 (0xFFA6C3D1)
YUV	187.9250, 10.3900, -19.2282
Hunter-Lab	71.7856, -9.8558, -5.5721

Details

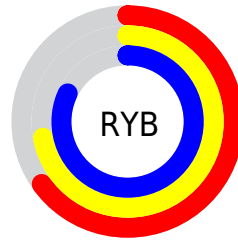
The CIELCh color **77, 12.266, 236.788** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **75, 13.719, 53.182**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **97, 10.216, 207.506**, and **57, 12.505, 238.608** is the 20% darker color. If you saturate the color by 10%, you get **74, 17.765, 238.142**, and if you desaturate by 10%, it is **80, 6.448, 235.722**.

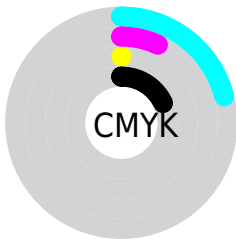
Distribution



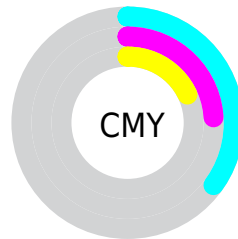
- Red (65%)
- Green (76%)
- Blue (82%)



- Red (65%)
- Yellow (72%)
- Blue (82%)



- Cyan (21%)
- Magenta (7%)
- Yellow (0%)
- Black (18%)



- Cyan (35%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 12.266, 236.788 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, 12.266, 236.788 by changing the saturation by 10% instead.

■ 77, 12.266,
236.788

■ 77, 12.266,
236.788

■ 100, 12.266,
236.788

■ 67, 12.266,
236.788

■ 97, 12.266,
236.788

■ 57, 12.266,
236.788

■ 47, 12.266,
236.788

■ 37, 12.266,
236.788

■ 27, 12.266,
236.788

■ 17, 12.266,
236.788

■ 7, 12.266, 236.788

0, 12.266, 236.788

77, 12.266,
236.788

77, 12.266,
236.788

74, 17.765,
238.142

80, 6.448, 235.722

71, 22.881,
239.858

84, 0.377, 236.113

87, 5.889, 53.980

68, 27.550,
242.005

90, 12.301, 53.462

65, 31.730,
244.673

92, 14.307, 65.523

94, 15.575, 80.923

62, 35.412,
247.946

96, 17.771, 93.179

60, 38.639,
251.882

97, 20.587,
102.334

■ 58, 41.525,
256.476

■ 99, 23.406,
108.403

■ 56, 44.131,
261.181

Harmonies

Complementary

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



77, 12.266, 236.788



75, 13.719, 53.182

Rectangle

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



77, 12.266, 236.788



77, 12.266, 286.788



77, 12.266, 56.788



77, 12.266, 106.788

Sweetspot

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



77, 12.266, 236.781



98, 4.332, 235.358



80, 22.279, 153.401



52, 2.870, 235.404



0, 0.000, 0.000



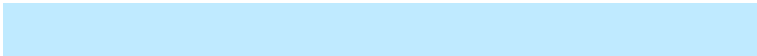
53, 0.007, 296.813

Same Dimension

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



77, 12.266, 236.781



90, 17.318, 237.379



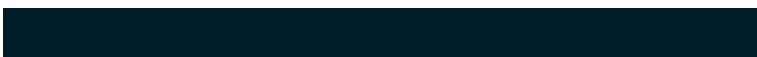
71, 19.277, 284.049



42, 3.465, 235.616



45, 37.287, 260.330



9, 12.965, 248.540

Inverse Universe

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



73, 22.349, 336.813



84, 31.955, 337.185



81, 18.793, 99.043



41, 6.122, 335.958



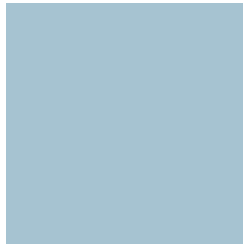
37, 66.656, 346.636



5, 24.246, 342.449

Previews

White Background



This preview shows how the CIELCh color 77, 12.266, 236.788 looks on a white background.

Color Contrast Check

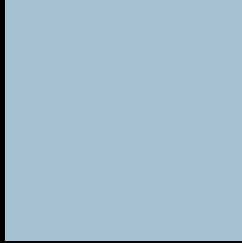
Large Text (above 18pt) WCAG AA × Fail

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, 12.266, 236.788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

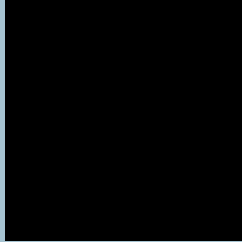
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

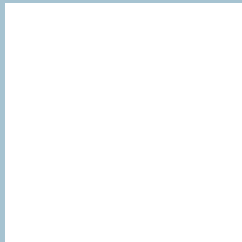
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 12.266, 236.788

Background



This preview shows how black text looks on a background with the CIELCh color 77, 12.266, 236.788.



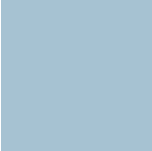
This preview shows how white text looks on a background with the CIELCh color 77, 12.266, 236.788.

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, 12.655, 241.860

Trichromacy



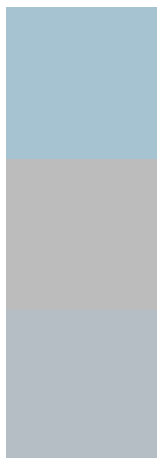
Original Color
77, 12.266, 236.788

Protanomaly
77, 9.098, 270.596

Deuteranomaly
77, 11.314, 285.880

Tritanomaly
77, 12.655, 241.860

Monochromacy



Original Color
77, 12.266, 236.788

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 4.785, 241.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 12.266, 236.788 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(166, 195, 209)` looks like.

```
.text, #text, p{  
    color:rgb(166, 195, 209)  
}
```

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(166, 195, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 195, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 12.266, 236.788 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(166, 195, 209) }
```

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

```
.border{ border-color:rgb(166, 195, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 195, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 195, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 195, 209);  
box-shadow:4px 4px 4px 4px rgb(166, 195,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 12.266, 236.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 195, 209) }
```

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

```
.background{ background-color: rgb(166,  
195, 209) }
```

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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