

Converting Colors

CIELCh(75, 12.584, 235.942)

Have a look what the booklet for
CIELCh(75, 12.584, 235.942)
contains.

CIELCh(75, 12.575, 235.930)	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(75, 12.575, 235.930)

Conversions

Conversions Part 1

Format	Color
Hex	9FBDCB
RGB	159, 189, 203
RGB Percent	62%, 74%, 80%
CMY	0.3751, 0.2575, 0.2025
CMYK	0.22, 0.07, 0.00, 0.20
HSL	199°, 30%, 71%
HSV	199°, 22%, 80%
XYZ	43.4587, 48.2781, 63.7470
YIQ	181.6260, -22.3740, -2.0060

Conversions

Conversions Part 2

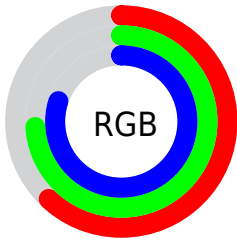
Format	Color
RYB	159, 177, 203
Decimal	10468811
CIELab	75.00, -7.04, -10.42
CIELCh	75, 12.575, 235.930
Yxy	48.2781, 0.2795, 0.3105
Android (android.graphics.Color)	4288658891 (0xFF9FBDCB)
YUV	181.6260, 10.5374, -19.8430
Hunter-Lab	69.4824, -9.9492, -5.7582

Details

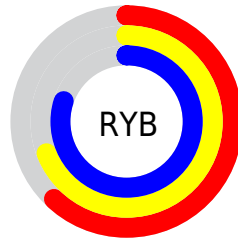
The CIELCh color $75, 12.575, 235.930$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $73, 14.180, 52.272$, and the grayscale version is $74, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 11.452, 225.634$, and $55, 12.505, 235.503$ is the 20% darker color. If you saturate the color by 10%, you get $72, 17.907, 237.278$, and if you desaturate by 10%, it is $78, 6.916, 234.869$.

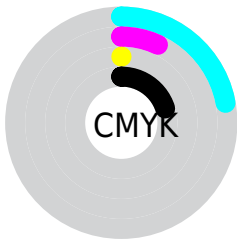
Distribution



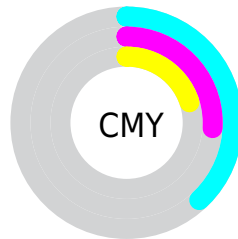
- Red (62%)
- Green (74%)
- Blue (80%)



- Red (62%)
- Yellow (69%)
- Blue (80%)



- Cyan (22%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)





- Cyan (38%)
- Magenta (26%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 12.575, 235.930 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 75, 12.575, 235.930 by changing the saturation by 10% instead.


 75, 12.575,
235.930


 75, 12.575,
235.930


 100, 12.575,
235.930


 65, 12.575,
235.930


 95, 12.575,
235.930

 55, 12.575,
235.930

 45, 12.575,
235.930

 35, 12.575,
235.930

 25, 12.575,
235.930

 15, 12.575,
235.930

 5, 12.575, 235.930

0, 12.575, 235.930

75, 12.575,
235.930

75, 12.575,
235.930

72, 17.907,
237.278

78, 6.916, 234.869

69, 22.848,
238.989

81, 0.997, 234.436

85, 5.124, 53.146

66, 27.335,
241.135

88, 11.396, 52.649

64, 31.325,
243.805

91, 15.841, 56.631

92, 16.371, 70.793

61, 34.813,
247.084

94, 17.818, 83.291

59, 37.843,
251.030

95, 19.972, 93.435

■ 56, 40.532,
255.637

■ 97, 22.622,
101.337

■ 55, 42.694,
259.794

Harmonies

Complementary

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



75, 12.575, 235.930



73, 14.180, 52.272

Rectangle

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



75, 12.575, 235.930



75, 12.575, 285.930



75, 12.575, 55.930



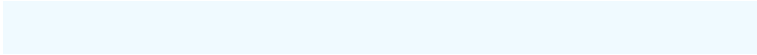
75, 12.575, 105.930

Sweetspot

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



75, 12.575, 235.923



98, 4.331, 234.429



78, 22.919, 153.311



52, 2.869, 234.473



0, 0.000, 0.000



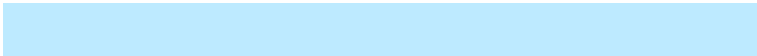
53, 0.007, 296.813

Same Dimension

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



75, 12.575, 235.923



90, 17.939, 236.520



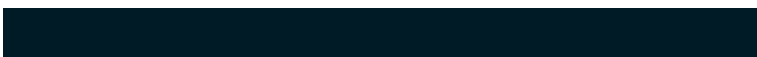
69, 19.862, 284.201



41, 3.394, 234.675



45, 36.388, 258.971



8, 12.249, 247.370

Inverse Universe

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



70, 23.118, 336.572



84, 33.405, 336.944



79, 19.338, 98.926



40, 6.030, 335.645



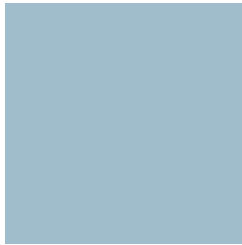
37, 66.216, 346.052



4, 22.413, 341.864

Previews

White Background



This preview shows how the CIELCh color 75, 12.575, 235.930 looks on a white background.

Color Contrast Check

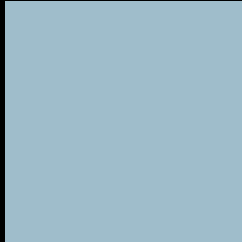
Large Text (above 18pt) WCAG AA × Fail

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 75, 12.575, 235.930 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

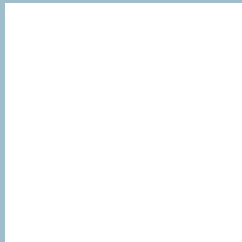
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 12.575, 235.930

Background



This preview shows how black text looks on a background with the CIELCh color 75, 12.575, 235.930.



This preview shows how white text looks on a background with the CIELCh color 75, 12.575, 235.930.

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
75, 12.575, 235.930

Protanopia
75, 8.651, 290.999

Deuteranopia
75, 14.883, 309.635



Tritanopia
75, 12.621, 238.944

Trichromacy



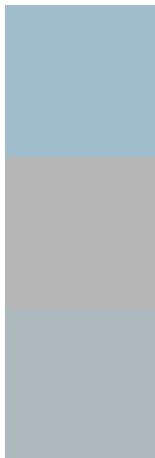
Original Color
75, 12.575, 235.930

Protanomaly
75, 9.390, 266.615

Deuteranomaly
75, 11.382, 285.919

Tritanomaly
75, 12.621, 238.944

Monochromacy



Original Color
75, 12.575, 235.930

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 4.764, 233.871

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 12.575, 235.930 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(159, 189, 203)` looks like.

```
.text, #text, p{  
    color:rgb(159, 189, 203)  
}
```

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(159, 189, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 189, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 12.575, 235.930 is called "border". The border property can be set on classes, ids or directly on the HTML element.

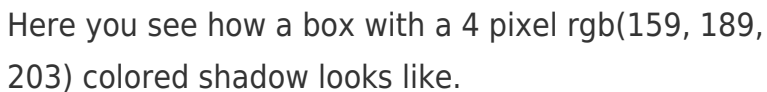
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 189, 203) }
```

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

```
.border{ border-color:rgb(159, 189, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 189, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 189, 203); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 189, 203); box-shadow:4px 4px 4px 4px rgb(159, 189, 203) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 12.575, 235.930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 189, 203) }
```

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

```
.background{ background-color: rgb(159,  
189, 203) }
```

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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