

Converting Colors

CIELCh(75, 21.324, 231.444)

Have a look what the booklet for
CIELCh(75, 21.324, 231.444)
contains.

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Color

CIELCh(75, 21.509, 232.048)

Conversions

Conversions Part 1

Format	Color
Hex	87C1D7
RGB	135, 193, 215
RGB Percent	53%, 76%, 84%
CMY	0.4700, 0.2426, 0.1563
CMYK	0.37, 0.10, 0.00, 0.16
HSL	197°, 50%, 69%
HSV	197°, 37%, 84%
XYZ	41.3992, 48.2781, 71.5231
YIQ	178.1660, -41.6300, -5.4540

Conversions

Conversions Part 2

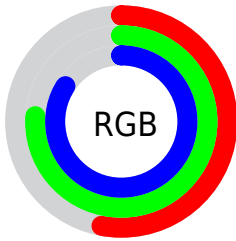
Format	Color
RYB	135, 169, 215
Decimal	8896983
CIELab	75.00, -13.23, -16.96
CIElCh	75, 21.509, 232.048
Yxy	48.2781, 0.2568, 0.2995
Android (android.graphics.Color)	4287087063 (0xFF87C1D7)
YUV	178.1660, 18.1592, -37.8566
Hunter-Lab	69.4824, -15.2400, -12.3936

Details

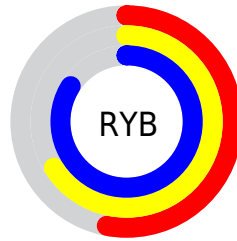
The CIELCh color **75, 21.509, 232.048** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **70, 27.431, 46.851**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 18.995, 207.689**, and **55, 21.445, 232.554** is the 20% darker color. If you saturate the color by 10%, you get **72, 26.243, 233.717**, and if you desaturate by 10%, it is **78, 16.257, 230.745**.

Distribution



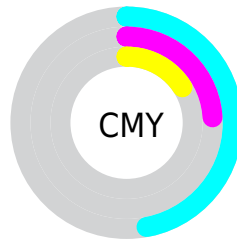
- Red (53%)
- Green (76%)
- Blue (84%)



- Red (53%)
- Yellow (66%)
- Blue (84%)



- Cyan (37%)
- Magenta (10%)
- Yellow (0%)
- Black (16%)





- Cyan (47%)
- Magenta (24%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 21.509, 232.048 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, 21.509, 232.048 by changing the saturation by 10% instead.


 75, 21.509,
232.048


 75, 21.509,
232.048


 100, 21.509,
232.048


 65, 21.509,
232.048


 95, 21.509,
232.048

 55, 21.509,
232.048

 45, 21.509,
232.048

 35, 21.509,
232.048

 25, 21.509,
232.048

 15, 21.509,
232.048

 5, 21.509, 232.048

0, 21.509, 232.048

75, 21.509,
232.048

75, 21.509,
232.048

72, 26.243,
233.717

78, 16.257,
230.745

70, 30.391,
235.845

81, 10.568,
229.749

67, 33.910,
238.523

84, 4.524, 229.035

87, 1.801, 48.010

65, 36.806,
241.839

90, 8.341, 47.789

63, 39.154,
245.849

93, 12.024, 55.056

61, 41.117,
250.516

94, 12.530, 72.071

■ 61, 41.670,
251.855

■ 95, 14.017, 86.533

■ 97, 16.207, 97.586

Harmonies

Complementary

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



75, 21.509, 232.048



70, 27.431, 46.851

Rectangle

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



75, 21.509, 232.048



75, 21.509, 282.048



75, 21.509, 52.048



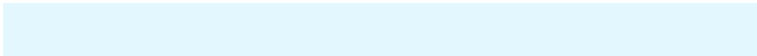
75, 21.509, 102.048

Sweetspot

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



75, 21.508, 232.045



96, 7.880, 229.276



80, 42.594, 149.852



51, 5.278, 229.373



0, 0.000, 0.000



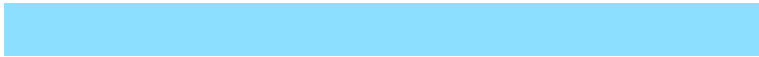
53, 0.007, 296.813

Same Dimension

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



75, 21.508, 232.045



85, 28.939, 233.394



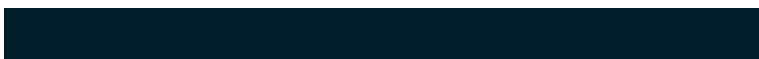
64, 34.435, 284.056



44, 3.543, 229.164



49, 34.883, 250.998



10, 12.959, 240.664

Inverse Universe

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



66, 42.702, 335.966



73, 58.730, 336.650



80, 33.256, 93.808



42, 6.475, 333.890



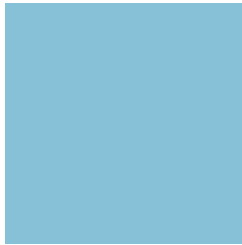
38, 69.578, 342.970



6, 26.936, 339.695

Previews

White Background



This preview shows how the CIELCh color 75, 21.509, 232.048 looks on a white background.

Color Contrast Check

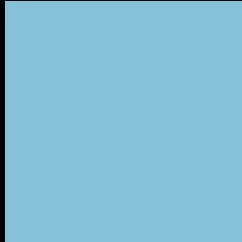
Large Text (above 18pt) WCAG AA × Fail

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, 21.509, 232.048 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, 21.509, 232.048

Background



This preview shows how black text looks on a background with the CIELCh color 75, 21.509, 232.048.

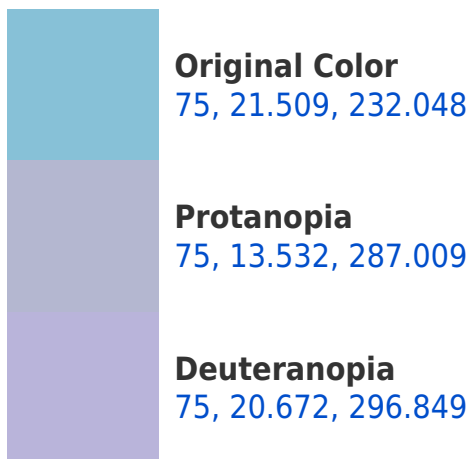


This preview shows how white text looks on a background with the CIELCh color 75, 21.509, 232.048.

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



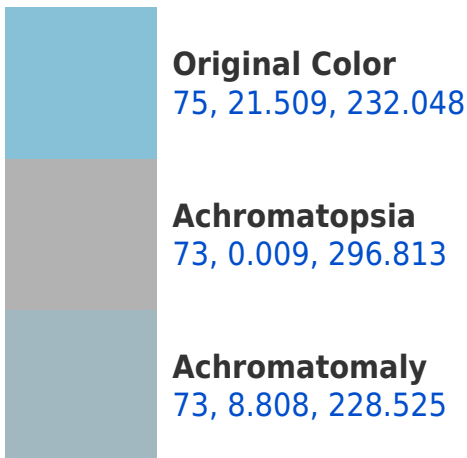


Tritanopia
75, 20.823, 222.819

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 21.509, 232.048 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(135, 193, 215)` looks like.

```
.text, #text, p{  
    color:rgb(135, 193, 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(135, 193, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 193, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 21.509, 232.048 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(135, 193, 215) }
```

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

```
.border{ border-color:rgb(135, 193, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 193, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 193, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 193, 215);  
box-shadow:4px 4px 4px 4px rgb(135, 193,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 21.509, 232.048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 193, 215) }
```

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

```
.background{ background-color: rgb(135,  
193, 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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