

Converting Colors

CIELCh(75, 17.285, 226.513)

Have a look what the booklet for
CIELCh(75, 17.285, 226.513)
contains.

CIELCh(75, 17.285, 226.513)	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, 17.285, 226.513)

Conversions

Conversions Part 1

Format	Color
Hex	91C0CF
RGB	145, 192, 207
RGB Percent	57%, 75%, 81%
CMY	0.4310, 0.2467, 0.1879
CMYK	0.30, 0.07, 0.00, 0.19
HSL	195°, 39%, 69%
HSV	195°, 30%, 81%
XYZ	41.8374, 48.2781, 66.2060
YIQ	179.6570, -32.8270, -5.2990

Conversions

Conversions Part 2

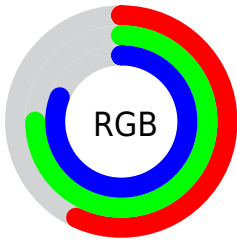
Format	Color
R_{YB}	145, 172, 207
Decimal	9552079
CIE _{Lab}	75.00, -11.90, -12.54
CIE _{LCh}	75, 17.285, 226.513
Yxy	48.2781, 0.2676, 0.3088
Android (android.graphics.Color)	4287742159 (0xFF91C0CF)
YUV	179.6570, 13.4801, -30.3942
Hunter-Lab	69.4824, -14.1142, -7.8565

Details

The CIELCh color **75, 17.285, 226.513** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **70, 21.075, 43.529**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 16.084, 211.480**, and **55, 17.380, 228.120** is the 20% darker color. If you saturate the color by 10%, you get **72, 22.207, 227.673**, and if you desaturate by 10%, it is **78, 11.880, 225.635**.

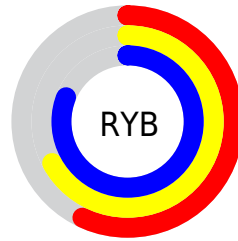
Distribution



Red (57%)

Green (75%)

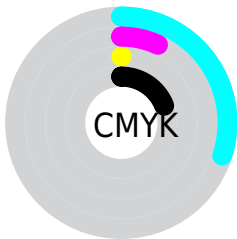
Blue (81%)



Red (57%)

Yellow (67%)

Blue (81%)

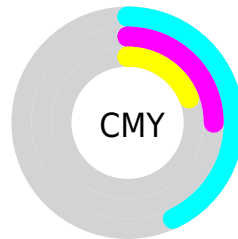


Cyan (30%)

Magenta (7%)

Yellow (0%)

Black (19%)



Cyan (43%)


Magenta (25%)


Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 17.285, 226.513 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, 17.285, 226.513 by changing the saturation by 10% instead.


 75, 17.285,
226.513


 75, 17.285,
226.513


 100, 17.285,
226.513


 65, 17.285,
226.513


 95, 17.285,
226.513

 55, 17.285,
226.513

 45, 17.285,
226.513

 35, 17.285,
226.513

 25, 17.285,
226.513

 15, 17.285,
226.513

 5, 17.285, 226.513

■ 0, 17.285, 226.513

■ 75, 17.285,
226.513

■ 75, 17.285,
226.513

■ 72, 22.207,
227.673

■ 78, 11.880,
225.635

■ 70, 26.561,
229.194

■ 80, 6.080, 225.013

■ 68, 30.277,
231.157

■ 83, 0.036, 29.275

■ 86, 6.394, 43.994

■ 66, 33.312,
233.651

■ 89, 12.935, 43.788

■ 64, 35.675,
236.764

■ 91, 14.655, 51.997

■ 92, 14.760, 64.117

■ 62, 37.443,
240.558

■ 93, 15.508, 75.521

■ 60, 38.839,
244.921

■ 95, 16.807, 85.475

■ 60, 38.848,
244.948

Harmonies

Complementary

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



75, 17.285, 226.513



70, 21.075, 43.529

Rectangle

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



75, 17.285, 226.513



75, 17.285, 276.513



75, 17.285, 46.513



75, 17.285, 96.513

Sweetspot

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



75, 17.285, 226.508



97, 6.532, 224.974



78, 34.223, 149.406



51, 4.523, 225.045



0, 0.000, 0.000



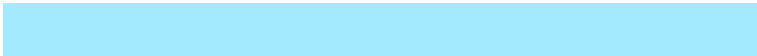
53, 0.007, 296.813

Same Dimension

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



75, 17.285, 226.508



89, 24.031, 227.228



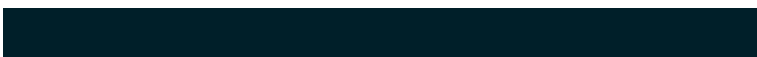
67, 25.538, 280.526



43, 3.503, 224.988



50, 33.173, 244.211



10, 12.273, 234.189

Inverse Universe

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



68, 34.227, 334.050



78, 48.563, 334.530



78, 25.129, 92.404



41, 6.499, 332.613



38, 70.406, 340.710



5, 25.808, 337.741

Previews

White Background



This preview shows how the CIELCh color 75, 17.285, 226.513 looks on a white background.

Color Contrast Check

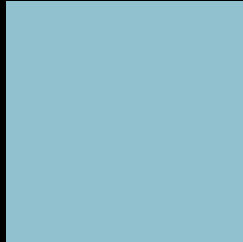
Large Text (above 18pt) WCAG AA × Fail

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, 17.285, 226.513 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

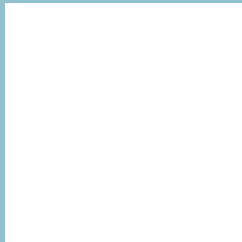
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 17.285, 226.513

Background



This preview shows how black text looks on a background with the CIELCh color 75, 17.285, 226.513.



This preview shows how white text looks on a background with the CIELCh color 75, 17.285, 226.513.

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, 17.285, 226.513

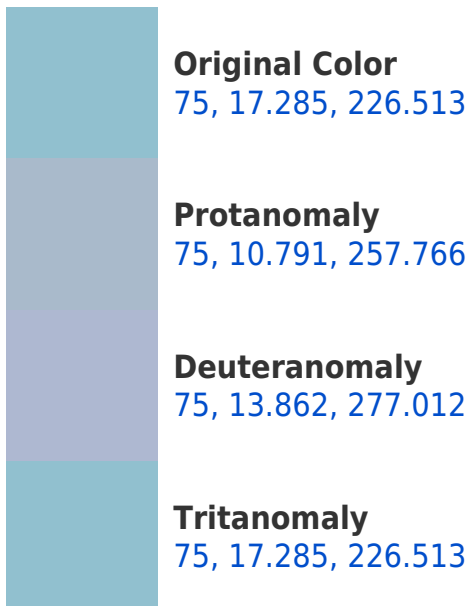
Protanopia
75, 9.731, 289.003

Deuteranopia
75, 17.287, 304.668

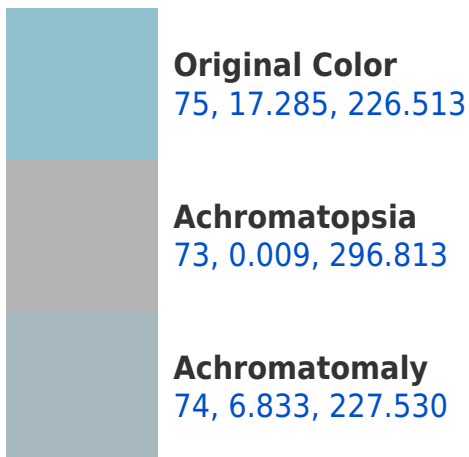


Tritanopia
75, 17.285, 226.513

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 17.285, 226.513 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(145, 192, 207)` looks like.

```
.text, #text, p{  
    color:rgb(145, 192, 207)  
}
```

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(145, 192, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 192, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 17.285, 226.513 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(145, 192, 207) }
```

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

```
.border{ border-color:rgb(145, 192, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 192, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 192, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 192, 207);  
box-shadow:4px 4px 4px 4px rgb(145, 192,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 17.285, 226.513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 192, 207) }
```

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

```
.background{ background-color: rgb(145,  
192, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor