

# Converting Colors

CIELCh(75, 15.899, 226.887)

Have a look what the booklet for  
CIELCh(75, 15.899, 226.887)  
contains.

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# **Color**

**CIELCh(75, 15.753, 227.346)**

# Conversions

## Conversions Part 1

Format	Color
Hex	95BFCD
RGB	149, 191, 205
RGB Percent	58%, 75%, 80%
CMY	0.4142, 0.2495, 0.1946
CMYK	0.27, 0.07, 0.00, 0.19
HSL	195°, 36%, 70%
HSV	195°, 27%, 81%
XYZ	42.2419, 48.2781, 65.0927
YIQ	180.0380, -29.5260, -4.5500

# Conversions

## Conversions Part 2

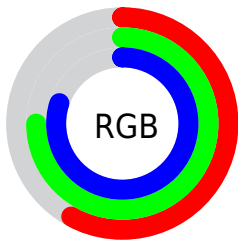
<b>Format</b>	<b>Color</b>
<b>RYB</b>	149, 173, 205
Decimal	9813965
CIELab	75.00, -10.67, -11.59
CIElCh	75, 15.753, 227.346
Yxy	48.2781, 0.2715, 0.3102
Android (android.graphics.Color)	4288004045 (0xFF95BFCD)
YUV	180.0380, 12.3063, -27.2203
Hunter-Lab	69.4824, -13.0752, -6.9065

# Details

The CIELCh color **75, 15.753, 227.346** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **71, 18.791, 44.432**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 14.680, 214.941**, and **55, 15.945, 226.348** is the 20% darker color. If you saturate the color by 10%, you get **72, 20.783, 228.475**, and if you desaturate by 10%, it is **78, 10.276, 226.489**.

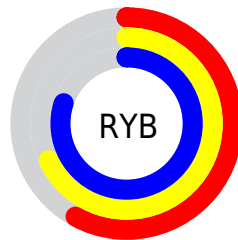
# Distribution



Red (58%)

Green (75%)

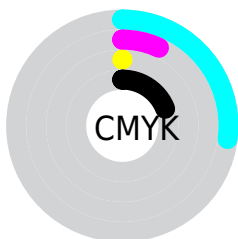
Blue (80%)



Red (58%)

Yellow (68%)

Blue (80%)

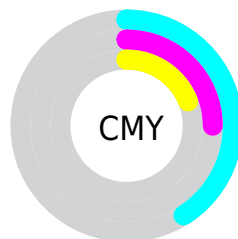


Cyan (27%)

Magenta (7%)

Yellow (0%)

Black (19%)



Cyan (41%)

Magenta (25%)


Yellow (19%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 15.753, 227.346 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, 15.753, 227.346 by changing the saturation by 10% instead.





 75, 15.753,  
227.346


 75, 15.753,  
227.346


 100, 15.753,  
227.346


 65, 15.753,  
227.346


 95, 15.753,  
227.346

 55, 15.753,  
227.346

 45, 15.753,  
227.346

 35, 15.753,  
227.346

 25, 15.753,  
227.346

 15, 15.753,  
227.346

 5, 15.753, 227.346

0, 15.753, 227.346

75, 15.753,  
227.346

75, 15.753,  
227.346

72, 20.783,  
228.475

78, 10.276,  
226.489

70, 25.282,  
229.954

80, 4.435, 225.903

68, 29.177,  
231.861

83, 1.694, 44.976

86, 8.043, 44.870

66, 32.418,  
234.284

89, 14.556, 44.645

64, 35.002,  
237.315

91, 15.179, 54.775

92, 15.434, 66.669

62, 36.988,  
241.023

93, 16.325, 77.675

■ 60, 38.530,  
245.391

■ 95, 17.750, 87.183

■ 59, 38.943,  
246.612

# Harmonies

# Complementary

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



75, 15.753, 227.346



71, 18.791, 44.432

# Rectangle

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



75, 15.753, 227.346



75, 15.753, 277.346



75, 15.753, 47.346



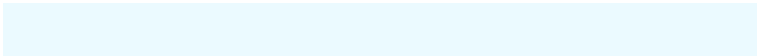
75, 15.753, 97.346

# Sweetspot

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



75, 15.753, 227.341



97, 5.805, 225.938



78, 30.983, 149.659



51, 4.111, 226.011



0, 0.000, 0.000



53, 0.007, 296.813



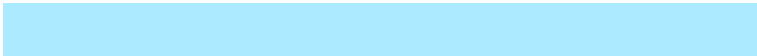


# Same Dimension

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



75, 15.753, 227.341



89, 22.250, 228.000



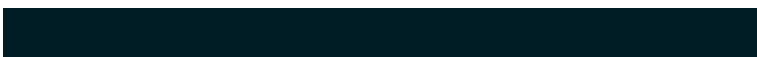
68, 23.031, 280.042



42, 3.424, 225.999



49, 33.067, 245.827



9, 11.799, 235.079



# Inverse Universe

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



68, 30.810, 334.174



80, 44.358, 334.628



77, 22.703, 92.747



40, 6.331, 332.917



37, 69.238, 341.224



5, 23.666, 337.932



# Previews

## White Background



This preview shows how the CIELCh color 75, 15.753, 227.346 looks on a white background.

## Color Contrast Check

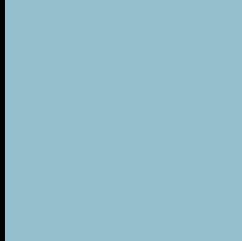
Large Text (above 18pt) WCAG AA × Fail

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, 15.753, 227.346 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

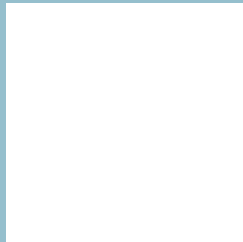
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 75, 15.753, 227.346**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 75, 15.753, 227.346.

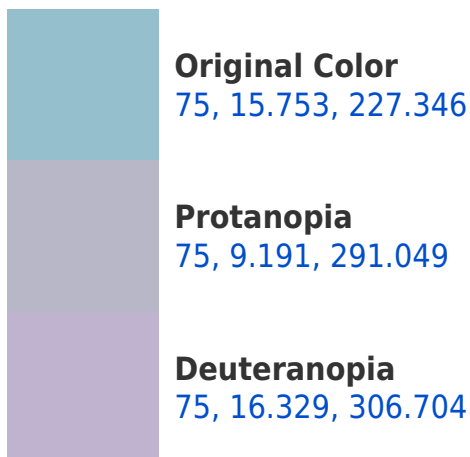


This preview shows how white text looks on a background with the CIELCh color 75, 15.753, 227.346.

# 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

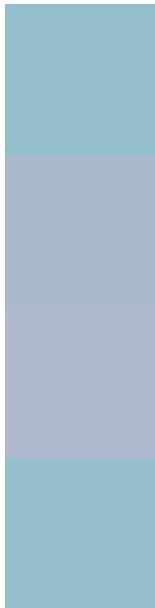






**Tritanopia**  
75, 15.941, 231.558

# Trichromacy



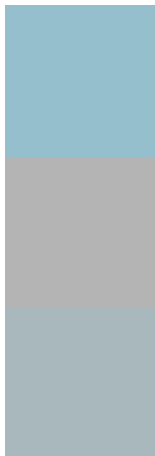
**Original Color**  
75, 15.753, 227.346

**Protanomaly**  
75, 9.996, 259.295

**Deuteranomaly**  
75, 12.673, 278.649

**Tritanomaly**  
75, 15.705, 229.762

# Monochromacy



**Original Color**  
75, 15.753, 227.346

**Achromatopsia**  
73, 0.009, 296.813

**Achromatomaly**  
74, 5.986, 226.060

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 15.753, 227.346 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(149, 191, 205)` looks like.

```
.text, #text, p{  
    color:rgb(149, 191, 205)  
}
```

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(149, 191, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 191, 205) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 15.753, 227.346 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(149, 191, 205) }
```

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

```
.border{ border-color:rgb(149, 191, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 191, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 191, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 191, 205);  
box-shadow:4px 4px 4px 4px rgb(149, 191,  
205) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 15.753, 227.346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 191, 205) }
```

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

```
.background{ background-color: rgb(149,  
191, 205) }
```

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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