

# Converting Colors

CIELCh(75, 13.448, 226.971)

Have a look what the booklet for  
CIELCh(75, 13.448, 226.971)  
contains.

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# Color

**CIELCh(75, 13.413, 227.677)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9BBECA
RGB	155, 190, 202
RGB Percent	61%, 75%, 79%
CMY	0.3907, 0.2534, 0.2063
CMYK	0.23, 0.06, 0.00, 0.21
HSL	195°, 31%, 70%
HSV	195°, 23%, 79%
XYZ	42.7898, 48.2781, 63.1778
YIQ	180.9030, -24.7120, -3.6880

# Conversions

## Conversions Part 2

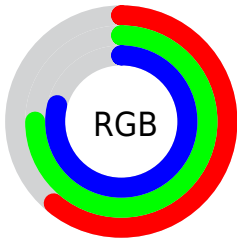
Format	Color
R <sub>YB</sub>	155, 175, 202
Decimal	10206922
CIE Lab	75.00, -9.03, -9.92
CIE LCh	75, 13.413, 227.677
Yxy	48.2781, 0.2774, 0.3130
Android (android.graphics.Color)	4288397002 (0xFF9BBECA)
YUV	180.9030, 10.4008, -22.7169
Hunter-Lab	69.4824, -11.6676, -5.2725

# Details

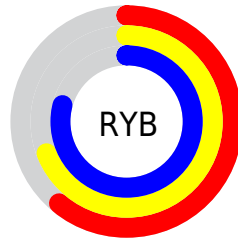
The CIELCh color `75, 13.413, 227.677` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `71, 15.522, 45.108`, and the grayscale version is `74, 0.009, 296.813`.

A 20% lighter version of the original color is `95, 12.729, 220.147`, and `55, 13.356, 226.826` is the 20% darker color. If you saturate the color by 10%, you get `72, 18.574, 228.715`, and if you desaturate by 10%, it is `78, 7.849, 226.893`.

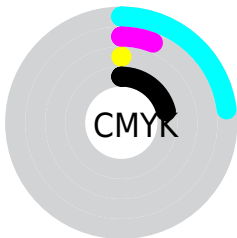
# Distribution



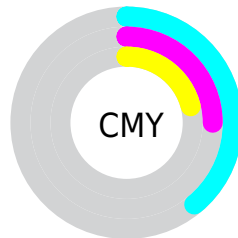
- Red (61%)
- Green (75%)
- Blue (79%)



- Red (61%)
- Yellow (69%)
- Blue (79%)



- Cyan (23%)
- Magenta (6%)
- Yellow (0%)
- Black (21%)




- Cyan (39%)
- Magenta (25%)
- Yellow (21%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 13.413, 227.677 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, 13.413, 227.677 by changing the saturation by 10% instead.





 75, 13.413,  
227.677


 75, 13.413,  
227.677


 100, 13.413,  
227.677


 65, 13.413,  
227.677


 95, 13.413,  
227.677

 55, 13.413,  
227.677

 45, 13.413,  
227.677

 35, 13.413,  
227.677

 25, 13.413,  
227.677

 15, 13.413,  
227.677

 5, 13.413, 227.677

0, 13.413, 227.677

75, 13.413,  
227.677

75, 13.413,  
227.677

72, 18.574,  
228.715

78, 7.849, 226.893

70, 23.251,  
230.082

81, 1.961, 226.488

83, 4.179, 45.638

68, 27.367,  
231.846

86, 10.510, 45.381

65, 30.863,  
234.095

89, 16.431, 46.023

91, 16.162, 57.277

63, 33.716,  
236.921

92, 16.533, 68.433

61, 35.959,  
240.404

93, 17.498, 78.687

■ 59, 37.699,  
244.579

■ 94, 18.961, 87.571

■ 58, 38.744,  
247.661

# Harmonies

# Complementary

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



75, 13.413, 227.677



71, 15.522, 45.108

# Rectangle

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



75, 13.413, 227.677



75, 13.413, 277.677



75, 13.413, 47.677



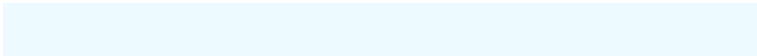
75, 13.413, 97.677

# Sweetspot

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



75, 13.413, 227.670



98, 5.083, 226.557



77, 25.764, 150.623



52, 3.298, 226.583



0, 0.000, 0.000



53, 0.007, 296.813



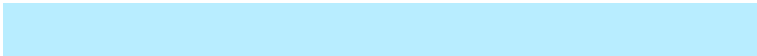


# Same Dimension

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



75, 13.413, 227.670



91, 19.194, 228.172



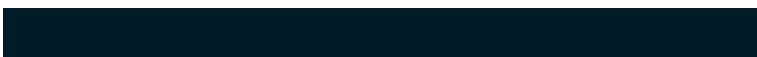
69, 19.677, 280.444



42, 3.419, 226.667



48, 33.261, 246.916



9, 11.818, 236.032



# Inverse Universe

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



69, 25.832, 334.091



83, 37.564, 334.465



77, 19.372, 94.433



40, 6.307, 333.119



37, 68.984, 341.578

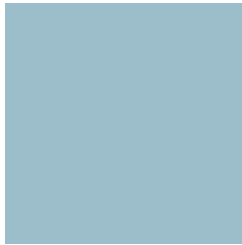


5, 23.564, 338.218



# Previews

## White Background



This preview shows how the CIELCh color 75, 13.413, 227.677 looks on a white background.

## Color Contrast Check

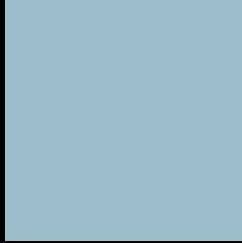
Large Text (above 18pt) WCAG AA × Fail

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, 13.413, 227.677 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

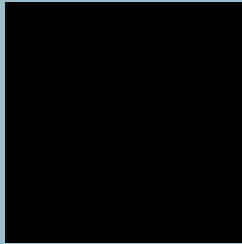
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

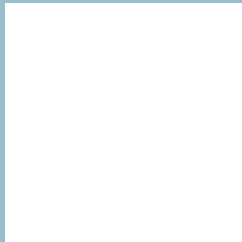
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**CIELCh 75, 13.413, 227.677**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 75, 13.413, 227.677.

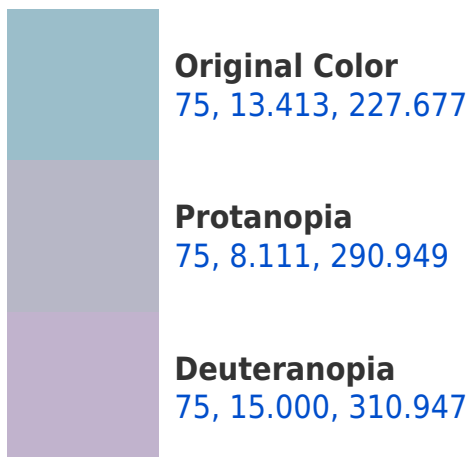


This preview shows how white text looks on a background with the CIELCh color 75, 13.413, 227.677.

# 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, 13.881, 234.580

# Trichromacy



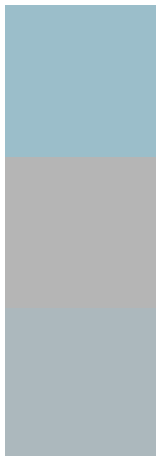
**Original Color**  
75, 13.413, 227.677

**Protanomaly**  
75, 8.747, 259.269

**Deuteranomaly**  
75, 11.413, 284.163

**Tritanomaly**  
75, 13.616, 232.585

# Monochromacy



**Original Color**  
75, 13.413, 227.677

**Achromatopsia**  
74, 0.009, 296.813

**Achromatomaly**  
74, 5.065, 231.567

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 13.413, 227.677 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(155, 190, 202)` looks like.

```
.text, #text, p{  
    color:rgb(155, 190, 202)  
}
```

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(155, 190, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 190, 202) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 13.413, 227.677 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(155, 190, 202) }
```

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

```
.border{ border-color:rgb(155, 190, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 190, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 190, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 190, 202);  
box-shadow:4px 4px 4px 4px rgb(155, 190,  
202) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 13.413, 227.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 190, 202) }
```

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

```
.background{ background-color: rgb(155,  
190, 202) }
```

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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