

# Converting Colors

CIELCh(75, 13.787, 246.537)

Have a look what the booklet for  
CIELCh(75, 13.787, 246.537)  
contains.

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# **Color**

**CIELCh(75, 13.619, 244.627)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A0BDCF
RGB	160, 189, 207
RGB Percent	63%, 74%, 81%
CMY	0.3732, 0.2595, 0.1889
CMYK	0.23, 0.09, 0.00, 0.19
HSL	203°, 33%, 72%
HSV	203°, 23%, 81%
XYZ	43.8691, 48.2781, 65.9303
YIQ	182.3810, -23.0620, -0.5500

# Conversions

## Conversions Part 2

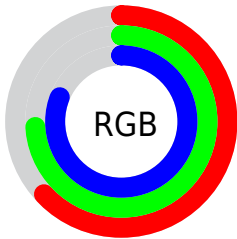
Format	Color
<a href="#">RYB</a>	<a href="#">160, 178, 207</a>
Decimal	<a href="#">10534351</a>
CIELab	<a href="#">75.00, -5.84, -12.31</a>
CIELCh	<a href="#">75, 13.619, 244.627</a>
Yxy	<a href="#">48.2781, 0.2775, 0.3054</a>
Android (android.graphics.Color)	<a href="#">4288724431</a> ( <a href="#">0xFFA0BDCF</a> )
YUV	<a href="#">182.3810, 12.1372, -19.6281</a>
Hunter-Lab	<a href="#">69.4824, -8.8949, -7.6212</a>

# Details

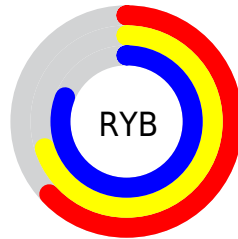
The CIELCh color  $75, 13.619, 244.627$  is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be  $75, 15.133, 59.632$ , and the grayscale version is  $74, 0.009, 296.813$ .

A 20% lighter version of the original color is  $95, 11.166, 226.392$ , and  $55, 13.593, 244.914$  is the 20% darker color. If you saturate the color by 10%, you get  $72, 19.225, 246.296$ , and if you desaturate by 10%, it is  $79, 7.755, 243.272$ .

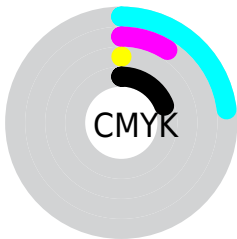
# Distribution



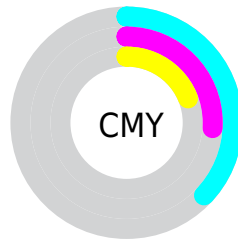
- Red (63%)
- Green (74%)
- Blue (81%)



- Red (63%)
- Yellow (70%)
- Blue (81%)



- Cyan (23%)
- Magenta (9%)
- Yellow (0%)
- Black (19%)




- Cyan (37%)
- Magenta (26%)
- Yellow (19%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 13.619, 244.627 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, 13.619, 244.627 by changing the saturation by 10% instead.





 75, 13.619,  
244.627


 75, 13.619,  
244.627


 100, 13.619,  
244.627


 65, 13.619,  
244.627


 95, 13.619,  
244.627

 55, 13.619,  
244.627

 45, 13.619,  
244.627

 35, 13.619,  
244.627

 25, 13.619,  
244.627

 15, 13.619,  
244.627

 5, 13.619, 244.627

0, 13.619, 244.627

75, 13.619,  
244.627

75, 13.619,  
244.627

72, 19.225,  
246.296

79, 7.755, 243.272

68, 24.524,  
248.356

82, 1.686, 242.362

65, 29.475,  
250.879

86, 4.541, 61.055

62, 34.060,  
253.943

89, 10.883, 60.346

59, 38.298,  
257.606

92, 14.995, 67.446

56, 42.262,  
261.884

94, 16.683, 84.124

96, 19.485, 96.769

98, 22.975,  
105.806

■ 53, 46.084,  
266.705

■ 99, 24.317,  
108.334

■ 52, 48.907,  
270.340

# Harmonies

# Complementary

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



75, 13.619, 244.627



75, 15.133, 59.632

# Rectangle

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



75, 13.619, 244.627



75, 13.619, 294.627



75, 13.619, 64.627



75, 13.619, 114.627

# Sweetspot

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



75, 13.618, 244.621



97, 5.102, 242.657



79, 23.481, 155.289



51, 3.312, 242.716



0, 0.000, 0.000



53, 0.007, 296.813



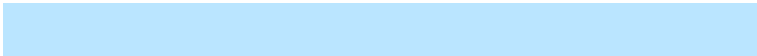


# Same Dimension

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



75, 13.618, 244.621



89, 19.013, 245.349



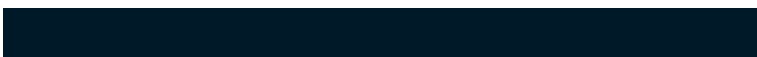
69, 22.435, 287.006



42, 3.508, 242.895



42, 41.495, 269.532



8, 13.829, 257.911



# Inverse Universe

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



71, 23.544, 339.603



83, 33.203, 340.008



80, 21.634, 101.658



41, 5.878, 338.503



37, 64.610, 351.220

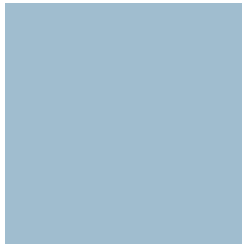


5, 23.299, 346.133



# Previews

## White Background



This preview shows how the CIELCh color 75, 13.619, 244.627 looks on a white background.

## Color Contrast Check

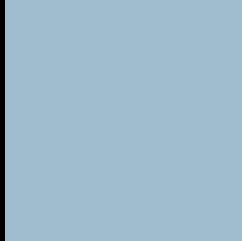
Large Text (above 18pt) WCAG AA × Fail

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, 13.619, 244.627 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

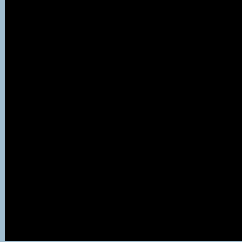
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

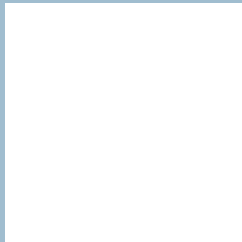
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 75, 13.619, 244.627

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 13.619, 244.627.



This preview shows how white text looks on a background with the CIELCh color 75, 13.619, 244.627.

# 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, 13.619, 244.627

**Protanopia**  
75, 10.811, 289.321

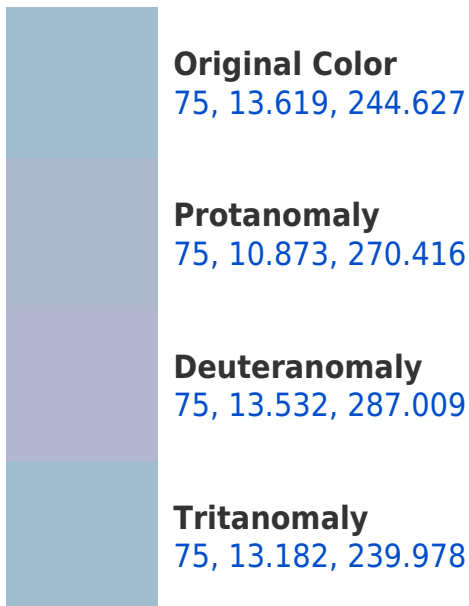
**Deuteranopia**  
75, 16.849, 306.242



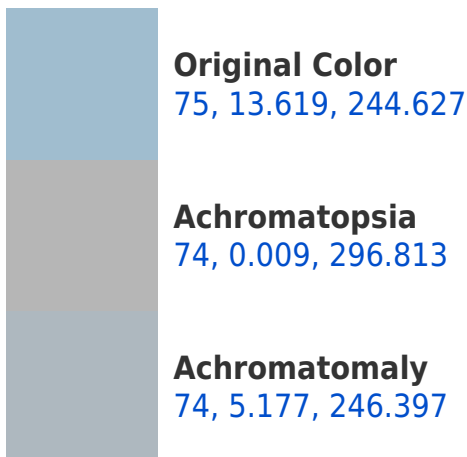


**Tritanopia**  
75, 12.871, 238.000

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 13.619, 244.627 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(160, 189, 207)` looks like.

```
.text, #text, p{  
    color:rgb(160, 189, 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(160, 189, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 189, 207) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 13.619, 244.627 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(160, 189, 207) }
```

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

```
.border{ border-color:rgb(160, 189, 207) }
```

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

Here you see how a box with a 4 pixel rgb(160, 189, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 189, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 189, 207);  
box-shadow:4px 4px 4px 4px rgb(160, 189,  
207) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 13.619, 244.627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 189, 207) }
```

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

```
.background{ background-color: rgb(160,  
189, 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](#).

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