

Converting Colors

CIELCh(75, 9.504, 221.394)

Have a look what the booklet for
CIELCh(75, 9.504, 221.394) contains.

CIELCh(75, 9.475, 222.425)	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, 9.475, 222.425)

Conversions

Conversions Part 1

Format	Color
Hex	A4BDC4
RGB	164, 189, 196
RGB Percent	64%, 74%, 77%
CMY	0.3568, 0.2588, 0.2313
CMYK	0.16, 0.04, 0.00, 0.23
HSL	193°, 21%, 71%
HSV	193°, 16%, 77%
XYZ	43.4758, 48.2781, 59.2568
YIQ	182.3230, -17.1470, -3.1230

Conversions

Conversions Part 2

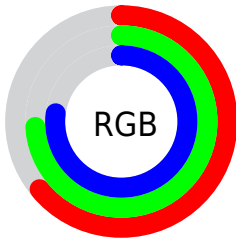
Format	Color
RYB	164, 178, 196
Decimal	10796484
CIELab	75.00, -6.99, -6.39
CIELCh	75, 9.475, 222.425
Yxy	48.2781, 0.2879, 0.3197
Android (android.graphics.Color)	4288986564 (0xFFA4BDC4)
YUV	182.3230, 6.7428, -16.0693
Hunter-Lab	69.4824, -9.9053, -1.9266

Details

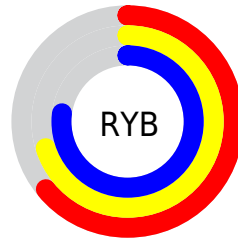
The CIELCh color $75, 9.475, 222.425$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $72, 10.507, 41.213$, and the grayscale version is $74, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 9.605, 224.371$, and $55, 9.387, 220.277$ is the 20% darker color. If you saturate the color by 10%, you get $73, 14.818, 223.056$, and if you desaturate by 10%, it is $78, 3.766, 222.025$.

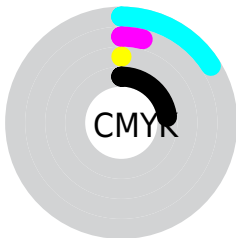
Distribution



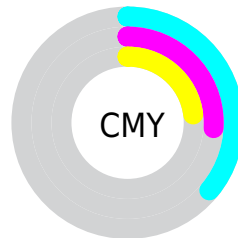
- Red (64%)
- Green (74%)
- Blue (77%)



- Red (64%)
- Yellow (70%)
- Blue (77%)



- Cyan (16%)
- Magenta (4%)
- Yellow (0%)
- Black (23%)



- Cyan (36%)
- Magenta (26%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 9.475, 222.425 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, 9.475, 222.425 by changing the saturation by 10% instead.

■ 75, 9.475, 222.425

■ 75, 9.475, 222.425

■ 100, 9.475,
222.425

■ 65, 9.475, 222.425

■ 95, 9.475, 222.425

■ 55, 9.475, 222.425

■ 45, 9.475, 222.425

■ 35, 9.475, 222.425

■ 25, 9.475, 222.425

■ 15, 9.475, 222.425

■ 5, 9.475, 222.425

■ 0, 9.475, 222.425

■ 75, 9.475, 222.425

■ 75, 9.475, 222.425

73, 14.818,
223.056

78, 3.766, 222.025

70, 19.711,
223.945

80, 2.230, 41.317

68, 24.066,
225.137

83, 8.446, 41.276

66, 27.802,
226.703

88, 18.748, 43.939

64, 30.863,
228.726

89, 18.339, 52.068

62, 33.226,
231.295

90, 18.320, 60.377

61, 34.930,
234.486

91, 18.689, 68.511

59, 36.094,
238.330

92, 19.421, 76.158

59, 36.483,

239.808

Harmonies

Complementary

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



75, 9.475, 222.425



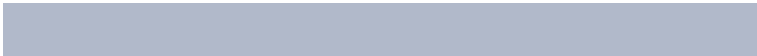
72, 10.507, 41.213

Rectangle

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



75, 9.475, 222.425



75, 9.475, 272.425



75, 9.475, 42.425



75, 9.475, 92.425

Sweetspot

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



75, 9.475, 222.415



98, 3.697, 222.011



76, 18.061, 150.010



52, 2.518, 222.017



0, 0.000, 0.000



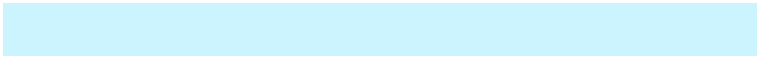
53, 0.007, 296.813

Same Dimension

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



75, 9.475, 222.415



94, 14.207, 222.643



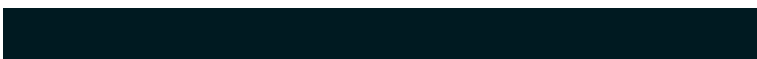
71, 12.855, 277.107



40, 3.320, 222.107



49, 31.408, 239.122



8, 10.346, 230.872

Inverse Universe

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



71, 18.110, 332.212



87, 27.509, 332.480



76, 12.781, 92.923



38, 6.206, 331.747



36, 69.212, 339.171



4, 19.676, 335.541

Previews

White Background



This preview shows how the CIELCh color 75, 9.475, 222.425 looks on a white background.

Color Contrast Check

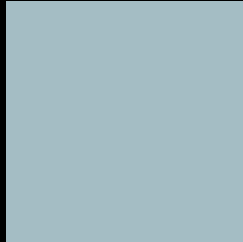
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 75, 9.475, 222.425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

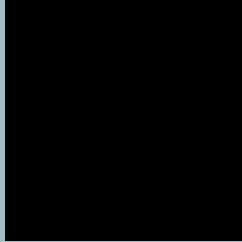
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

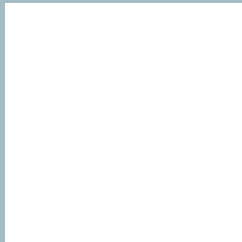
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 9.475, 222.425

Background



This preview shows how black text looks on a background with the CIELCh color 75, 9.475, 222.425.

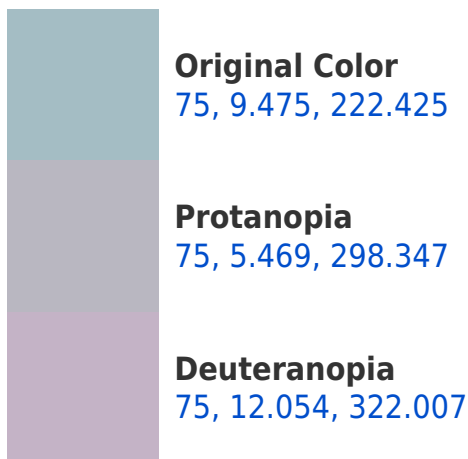


This preview shows how white text looks on a background with the CIELCh color 75, 9.475, 222.425.

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, 11.191, 245.548

Trichromacy



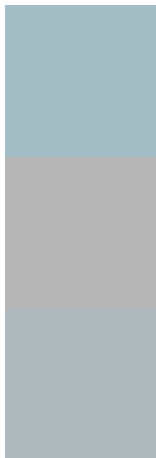
Original Color
75, 9.475, 222.425

Protanomaly
75, 5.601, 259.741

Deuteranomaly
75, 7.584, 293.621

Tritanomaly
75, 10.169, 238.691

Monochromacy



Original Color
75, 9.475, 222.425

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 3.783, 215.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 9.475, 222.425 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(164, 189, 196)` looks like.

```
.text, #text, p{  
    color:rgb(164, 189, 196)  
}
```

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(164, 189, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 189, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 9.475, 222.425 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(164, 189, 196) }
```

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

```
.border{ border-color:rgb(164, 189, 196) }
```

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

Here you see how a box with a 4 pixel rgb(164, 189, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 189, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 189, 196);  
box-shadow:4px 4px 4px 4px rgb(164, 189,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 9.475, 222.425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 189, 196) }
```

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

```
.background{ background-color: rgb(164,  
189, 196) }
```

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