

Converting Colors

CIELCh(75, 21.574, 237.444)

Have a look what the booklet for
CIELCh(75, 21.574, 237.444)
contains.

CIELCh(75, 21.395, 237.828)	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, 21.395, 237.828)

Conversions

Conversions Part 1

Format	Color
Hex	8AC0D9
RGB	138, 192, 217
RGB Percent	54%, 75%, 85%
CMY	0.4577, 0.2459, 0.1479
CMYK	0.36, 0.12, 0.00, 0.15
HSL	199°, 51%, 70%
HSV	199°, 36%, 85%
XYZ	42.0037, 48.2781, 72.9511
YIQ	178.7040, -40.2090, -3.6730

Conversions

Conversions Part 2

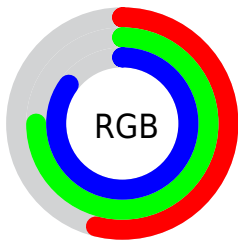
Format	Color
RYB	138, 170, 217
Decimal	9093337
CIELab	75.00, -11.39, -18.11
CIElCh	75, 21.395, 237.828
Yxy	48.2781, 0.2573, 0.2958
Android (android.graphics.Color)	4287283417 (0xFF8AC0D9)
YUV	178.7040, 18.8799, -35.6974
Hunter-Lab	69.4824, -13.6869, -13.6122

Details

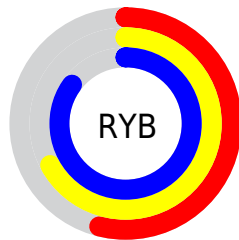
The CIELCh color $75, 21.395, 237.828$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $72, 26.611, 51.249$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $94, 17.867, 210.061$, and $55, 21.344, 236.697$ is the 20% darker color. If you saturate the color by 10%, you get $72, 26.373, 239.736$, and if you desaturate by 10%, it is $78, 15.964, 236.309$.

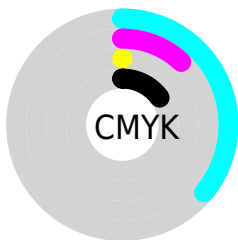
Distribution



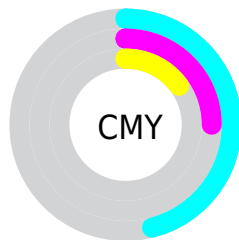
- Red (54%)
- Green (75%)
- Blue (85%)



- Red (54%)
- Yellow (67%)
- Blue (85%)



- Cyan (36%)
- Magenta (12%)
- Yellow (0%)
- Black (15%)





- Cyan (46%)
- Magenta (25%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 21.395, 237.828 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, 21.395, 237.828 by changing the saturation by 10% instead.


 75, 21.395,
237.828


 75, 21.395,
237.828


 100, 21.395,
237.828


 65, 21.395,
237.828


 95, 21.395,
237.828

 55, 21.395,
237.828

 45, 21.395,
237.828

 35, 21.395,
237.828

 25, 21.395,
237.828

 15, 21.395,
237.828

 5, 21.395, 237.828

0, 21.395, 237.828

75, 21.395,
237.828

75, 21.395,
237.828

72, 26.373,
239.736

78, 15.964,
236.309

69, 30.843,
242.129

81, 10.152,
235.118

66, 34.773,
245.093

85, 4.029, 234.237

88, 2.337, 53.116

64, 38.181,
248.705

91, 8.890, 52.676

61, 41.153,
253.000

94, 11.524, 65.938

59, 43.849,
257.914

96, 12.987, 84.716

■ 58, 44.843,
259.730

■ 97, 15.515, 98.437

■ 99, 18.662,
107.838

Harmonies

Complementary

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



75, 21.395, 237.828



72, 26.611, 51.249

Rectangle

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



75, 21.395, 237.828



75, 21.395, 287.828



75, 21.395, 57.828



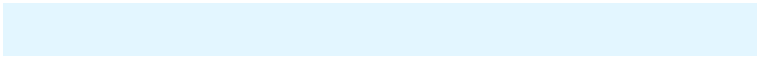
75, 21.395, 107.828

Sweetspot

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



75, 21.394, 237.825



96, 7.860, 234.609



81, 40.948, 151.189



51, 5.266, 234.733



0, 0.000, 0.000



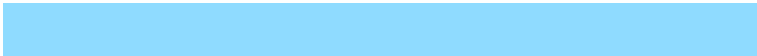
53, 0.007, 296.813

Same Dimension

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



75, 21.394, 237.825



84, 28.701, 239.326



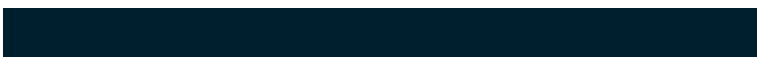
65, 35.337, 285.838



44, 3.601, 234.467



47, 37.585, 258.868



11, 13.936, 248.465

Inverse Universe

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



67, 40.959, 337.717



74, 55.964, 338.439



81, 33.786, 96.117



43, 6.408, 335.581



38, 68.485, 346.008



6, 27.723, 342.203

Previews

White Background



This preview shows how the CIELCh color 75, 21.395, 237.828 looks on a white background.

Color Contrast Check

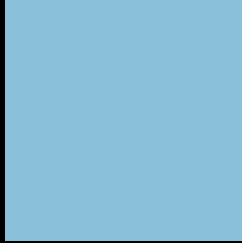
Large Text (above 18pt) WCAG AA × Fail

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, 21.395, 237.828 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, 21.395, 237.828

Background



This preview shows how black text looks on a background with the CIELCh color 75, 21.395, 237.828.



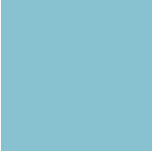
This preview shows how white text looks on a background with the CIELCh color 75, 21.395, 237.828.

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, 20.159, 222.006

Trichromacy



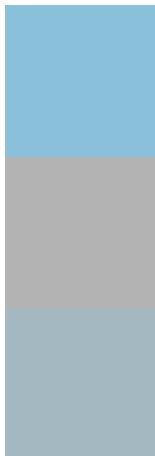
Original Color
75, 21.395, 237.828

Protanomaly
75, 16.152, 264.196

Deuteranomaly
75, 19.583, 275.119

Tritanomaly
75, 20.374, 228.716

Monochromacy



Original Color
75, 21.395, 237.828

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 8.492, 234.168

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 21.395, 237.828 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(138, 192, 217)` looks like.

```
.text, #text, p{  
    color:rgb(138, 192, 217)  
}
```

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(138, 192, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 192, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 21.395, 237.828 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(138, 192, 217) }
```

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

```
.border{ border-color:rgb(138, 192, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 192, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 192, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 192, 217);  
box-shadow:4px 4px 4px 4px rgb(138, 192,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 21.395, 237.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 192, 217) }
```

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

```
.background{ background-color: rgb(138,  
192, 217) }
```

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