

Converting Colors

CIELCh(75, 31.851, 213.956)

Have a look what the booklet for
CIELCh(75, 31.851, 213.956)
contains.

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Color

CIELCh(75, 31.921, 213.147)

Conversions

Conversions Part 1

Format	Color
Hex	5AC8D8
RGB	90, 200, 216
RGB Percent	35%, 78%, 85%
CMY	0.6483, 0.2168, 0.1541
CMYK	0.58, 0.07, 0.00, 0.15
HSL	188°, 62%, 60%
HSV	188°, 58%, 85%
XYZ	37.1316, 48.2781, 72.1341
YIQ	168.9340, -70.6960, -18.3440

Conversions

Conversions Part 2

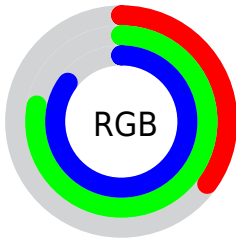
Format	Color
R_{YB}	90, 149, 216
Decimal	5949656
CIE _{Lab}	75.00, -26.73, -17.45
CIE _{LCh}	75, 31.921, 213.147
Yxy	48.2781, 0.2357, 0.3064
Android (android.graphics.Color)	4284139736 (0xFF5AC8D8)
YUV	168.9340, 23.2035, -69.2251
Hunter-Lab	69.4824, -26.2034, -12.9149

Details

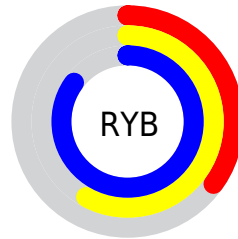
The CIELCh color **75, 31.921, 213.147** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **58, 51.026, 34.937**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.646, 197.470**, and **55, 31.842, 212.638** is the 20% darker color. If you saturate the color by 10%, you get **74, 34.892, 214.204**, and if you desaturate by 10%, it is **77, 28.074, 212.383**.

Distribution



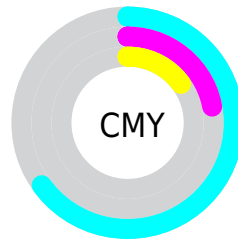
- Red (35%)
- Green (78%)
- Blue (85%)



- Red (35%)
- Yellow (58%)
- Blue (85%)



- Cyan (58%)
- Magenta (7%)
- Yellow (0%)
- Black (15%)





- Cyan (65%)
- Magenta (22%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 31.921, 213.147 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, 31.921, 213.147 by changing the saturation by 10% instead.


 75, 31.921,
213.147


 75, 31.921,
213.147


 100, 31.921,
213.147


 65, 31.921,
213.147


 95, 31.921,
213.147

 55, 31.921,
213.147

 45, 31.921,
213.147

 35, 31.921,
213.147

 25, 31.921,
213.147

 15, 31.921,
213.147

 5, 31.921, 213.147

0, 31.921, 213.147

75, 31.921,
213.147

75, 31.921,
213.147

74, 34.892,
214.204

77, 28.074,
212.383

72, 36.958,
215.612

78, 23.425,
211.867

71, 38.153,
217.421

80, 18.074,
211.553

70, 38.622,
219.645

82, 12.132,
211.408

70, 38.675,
220.010

84, 5.709, 211.428

87, 1.091, 30.853

89, 8.178, 31.461

■ 91, 12.773, 33.957

■ 92, 12.233, 41.375

Harmonies

Complementary

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



75, 31.921, 213.147



58, 51.026, 34.937

Rectangle

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



75, 31.921, 213.147



75, 31.921, 263.147



75, 31.921, 33.147



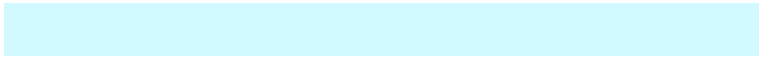
75, 31.921, 83.147

Sweetspot

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



75, 31.920, 213.145



95, 13.585, 211.406



77, 72.615, 142.418



50, 9.351, 211.432



0, 0.000, 0.000



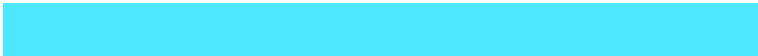
53, 0.007, 296.813

Same Dimension

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



75, 31.920, 213.145



85, 40.202, 214.486



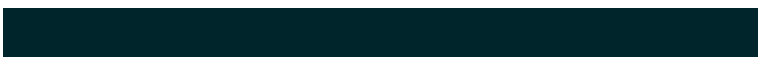
57, 45.279, 278.760



44, 3.814, 211.416



57, 32.534, 219.584



13, 12.936, 214.833

Inverse Universe

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



58, 71.159, 331.616



64, 92.623, 332.335



72, 47.269, 78.946



42, 7.191, 328.631



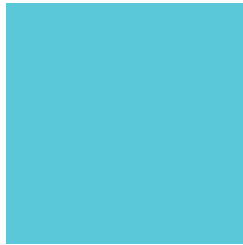
39, 77.547, 333.990



6, 30.027, 332.650

Previews

White Background



This preview shows how the CIE LCh color 75, 31.921, 213.147 looks on a white background.

Color Contrast Check

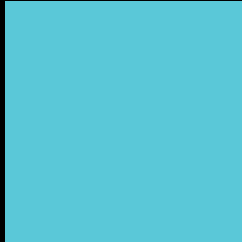
Large Text (above 18pt) WCAG AA × Fail

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, 31.921, 213.147 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, 31.921, 213.147

Background



This preview shows how black text looks on a background with the CIELCh color 75, 31.921, 213.147.

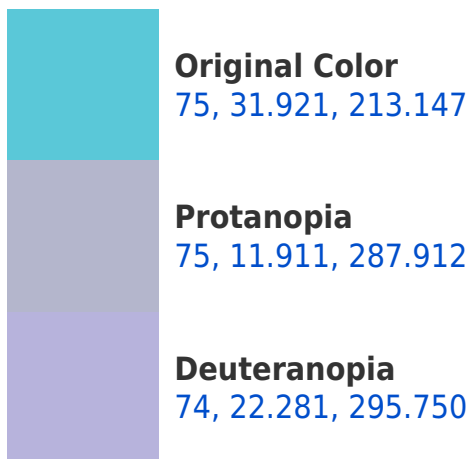


This preview shows how white text looks on a background with the CIELCh color 75, 31.921, 213.147.

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, 31.921, 213.147

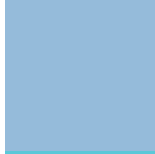
Trichromacy



Original Color
75, 31.921, 213.147



Protanomaly
74, 17.051, 238.274



Deuteranomaly
74, 20.404, 254.572

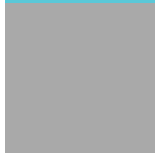


Tritanomaly
75, 31.921, 213.147

Monochromacy



Original Color
75, 31.921, 213.147



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 14.106, 211.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 31.921, 213.147 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(90, 200, 216)` looks like.

```
.text, #text, p{  
    color:rgb(90, 200, 216)  
}
```

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(90, 200, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 200, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 31.921, 213.147 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(90, 200, 216) }
```

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

```
.border{ border-color:rgb(90, 200, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 200, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 200, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 200, 216);  
box-shadow:4px 4px 4px 4px rgb(90, 200,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 31.921, 213.147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 200, 216) }
```

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

```
.background{ background-color: rgb(90, 200,  
216) }
```

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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