

Converting Colors

CIELCh(75, 40.423, 220.539)

Have a look what the booklet for
CIELCh(75, 40.423, 220.539)
contains.

CIELCh(75, 40.410, 220.906)	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, 40.410, 220.906)

Conversions

Conversions Part 1

Format	Color
Hex	11CAE8
RGB	17, 202, 232
RGB Percent	7%, 79%, 91%
CMY	0.9339, 0.2071, 0.0895
CMYK	0.93, 0.13, 0.00, 0.09
HSL	188°, 86%, 49%
HSV	188°, 93%, 91%
XYZ	35.9811, 48.2781, 83.9013
YIQ	150.1050, -119.8900, -29.8900

Conversions

Conversions Part 2

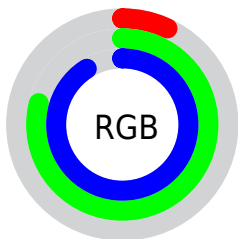
Format	Color
RYB	17, 116, 232
Decimal	1166056
CIELab	75.00, -30.54, -26.46
CIELCh	75, 40.410, 220.906
Yxy	48.2781, 0.2140, 0.2871
Android (android.graphics.Color)	4279356136 (0xFF11CAE8)
YUV	150.1050, 40.3742, -116.7331
Hunter-Lab	69.4824, -29.1591, -22.9560

Details

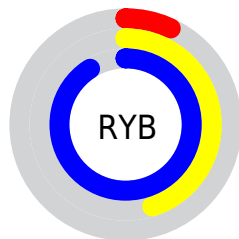
The CIELCh color **75, 40.410, 220.906** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **51, 90.020, 41.132**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.818, 196.983**, and **56, 32.972, 226.509** is the 20% darker color. If you saturate the color by 10%, you get **74, 40.683, 222.805**, and if you desaturate by 10%, it is **76, 39.504, 218.642**.

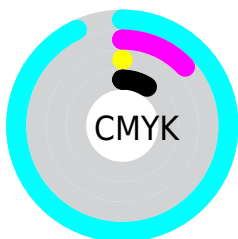
Distribution



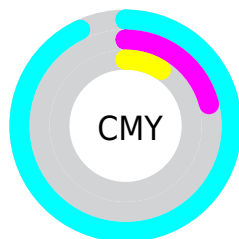
- Red (7%)
- Green (79%)
- Blue (91%)



- Red (7%)
- Yellow (45%)
- Blue (91%)



- Cyan (93%)
- Magenta (13%)
- Yellow (0%)
- Black (9%)





- Cyan (93%)
- Magenta (21%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 40.410, 220.906 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, 40.410, 220.906 by changing the saturation by 10% instead.


 75, 40.410,
220.906


 75, 40.410,
220.906


 100, 40.410,
220.906


 65, 40.410,
220.906


 95, 40.410,
220.906

 55, 40.410,
220.906

 45, 40.410,
220.906

 35, 40.410,
220.906

 25, 40.410,
220.906

 15, 40.410,
220.906

 5, 40.410, 220.906

0, 40.410, 220.906

75, 40.410,
220.906

75, 40.410,
220.906

74, 40.683,
222.805

76, 39.504,
218.642

77, 37.733,
216.845

79, 35.021,
215.463

81, 31.369,
214.434

82, 26.836,
213.699

84, 21.516,
213.206

■ 87, 15.522,
212.911

■ 89, 8.973, 212.787

■ 91, 1.982, 212.997

Harmonies

Complementary

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



75, 40.410, 220.906



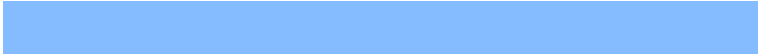
51, 90.020, 41.132

Rectangle

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



75, 40.410, 220.906



75, 40.410, 270.906



75, 40.410, 40.906



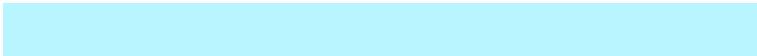
75, 40.410, 90.906

Sweetspot

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



75, 40.409, 220.905



93, 20.219, 213.048



81, 105.354, 137.998



49, 13.720, 213.196



0, 0.000, 0.000



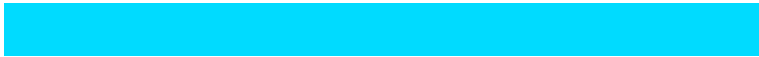
53, 0.007, 296.813

Same Dimension

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



75, 40.409, 220.905



81, 43.663, 222.960



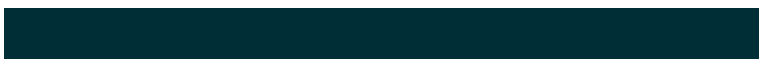
45, 80.735, 292.507



48, 4.071, 212.788



59, 33.792, 222.326



17, 14.598, 218.038

Inverse Universe

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



54, 95.732, 334.283



58, 103.407, 334.833



70, 74.709, 73.951



46, 7.683, 329.036



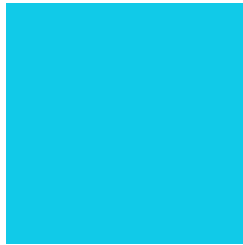
42, 80.144, 334.674



9, 34.865, 333.607

Previews

White Background



This preview shows how the CIE LCh color 75, 40.410, 220.906 looks on a white background.

Color Contrast Check

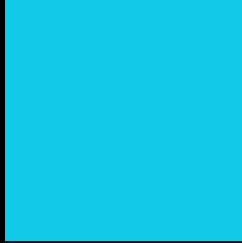
Large Text (above 18pt) WCAG AA × Fail

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, 40.410, 220.906 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, 40.410, 220.906

Background



This preview shows how black text looks on a background with the CIELCh color 75, 40.410, 220.906.



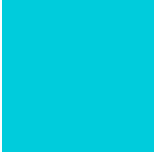
This preview shows how white text looks on a background with the CIELCh color 75, 40.410, 220.906.

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, 40.870, 209.022

Trichromacy



Original Color
75, 40.378, 220.928



Protanomaly
73, 27.363, 240.989



Deuteranomaly
73, 31.887, 252.084



Tritanomaly
75, 40.482, 213.248

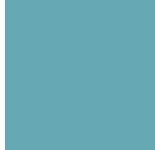
Monochromacy



Original Color
75, 40.378, 220.928



Achromatopsia
62, 0.008, 296.813



Achromatomaly
65, 22.109, 213.917

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 40.410, 220.906 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(17, 202, 232)` looks like.

```
.text, #text, p{  
    color:rgb(17, 202, 232)  
}
```

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(17, 202, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 202, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 40.410, 220.906 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(17, 202, 232) }
```

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

```
.border{ border-color:rgb(17, 202, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 202, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 202, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 202, 232);  
box-shadow:4px 4px 4px 4px rgb(17, 202,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 40.410, 220.906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 202, 232) }
```

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

```
.background{ background-color: rgb(17, 202,  
232) }
```

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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