

Converting Colors

CIELCh(75, 40.907, 197.253)

Have a look what the booklet for
CIELCh(75, 40.907, 197.253)
contains.

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Color

CIELCh(75, 40.925, 197.265)

Conversions

Conversions Part 1

Format	Color
Hex	21CDCE
RGB	33, 205, 206
RGB Percent	13%, 80%, 81%
CMY	0.8695, 0.1973, 0.1934
CMYK	0.84, 0.00, 0.00, 0.19
HSL	180°, 72%, 47%
HSV	180°, 84%, 81%
XYZ	33.4922, 48.2781, 65.7445
YIQ	153.6860, -102.8330, -36.1530

Conversions

Conversions Part 2

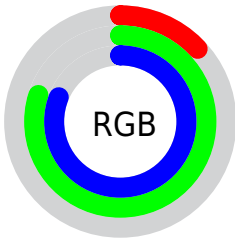
Format	Color
RYB	33, 119, 206
Decimal	2215374
CIELab	75.00, -39.08, -12.15
CIELCh	75, 40.925, 197.265
Yxy	48.2781, 0.2270, 0.3273
Android (android.graphics.Color)	4280405454 (0xFF21CDCE)
YUV	153.6860, 25.7908, -105.8416
Hunter-Lab	69.4824, -35.5529, -7.4627

Details

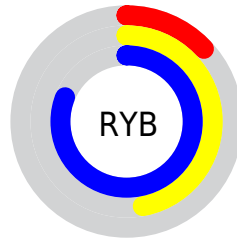
The CIELCh color **75, 40.925, 197.265** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted cyan. A complement of this color would be **45, 78.234, 35.427**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.445, 197.005**, and **56, 33.440, 198.416** is the 20% darker color. If you saturate the color by 10%, you get **75, 41.928, 197.267**, and if you desaturate by 10%, it is **75, 39.075, 197.330**.

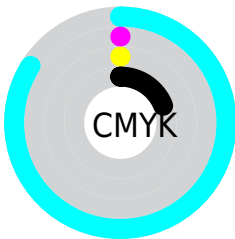
Distribution



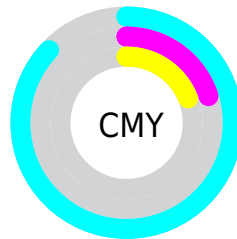
- Red (13%)
- Green (80%)
- Blue (81%)



- Red (13%)
- Yellow (47%)
- Blue (81%)



- Cyan (84%)
- Magenta (0%)
- Yellow (0%)
- Black (19%)





- Cyan (87%)
- Magenta (20%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 40.925, 197.265 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, 40.925, 197.265 by changing the saturation by 10% instead.


 75, 40.925,
197.265


 75, 40.925,
197.265


 100, 40.925,
197.265


 65, 40.925,
197.265


 95, 40.925,
197.265

 55, 40.925,
197.265

 45, 40.925,
197.265

 35, 40.925,
197.265

 25, 40.925,
197.265

 15, 40.925,
197.265

 5, 40.925, 197.265

■ 0, 40.925, 197.265

■ 75, 40.925,
197.265

■ 75, 40.925,
197.265

■ 75, 41.928,
197.267

■ 75, 39.075,
197.330

■ 75, 42.263,
197.293

■ 76, 36.307,
197.469

■ 76, 32.613,
197.683

■ 77, 28.036,
197.971

■ 78, 22.656,
198.327

■ 79, 16.581,
198.748

■ 81, 9.929, 199.236

■ 82, 2.817, 199.888

■ 84, 4.641, 20.111

Harmonies

Complementary

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



75, 40.925, 197.265



45, 78.234, 35.427

Rectangle

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



75, 40.925, 197.265



75, 40.925, 247.265



75, 40.925, 17.265



75, 40.925, 67.265

Sweetspot

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



75, 40.924, 197.264



96, 20.605, 198.681



73, 96.508, 136.809



51, 13.874, 198.528



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, 40.924, 197.264



91, 49.691, 197.304



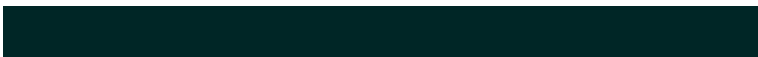
50, 51.939, 277.181



42, 4.095, 199.482



61, 36.002, 197.279



13, 13.425, 197.093

Inverse Universe

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



50, 93.437, 328.280



60, 115.033, 328.469



59, 63.820, 64.203



40, 7.509, 325.089



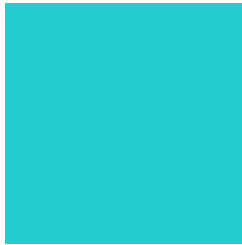
39, 83.335, 328.462



5, 28.909, 327.681

Previews

White Background



This preview shows how the CIELCh color 75, 40.925, 197.265 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, 40.925, 197.265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

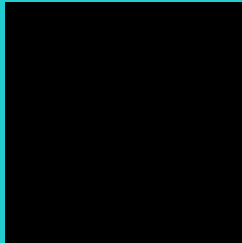
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

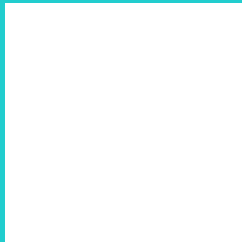
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 40.925, 197.265

Background



This preview shows how black text looks on a background with the CIELCh color 75, 40.925, 197.265.

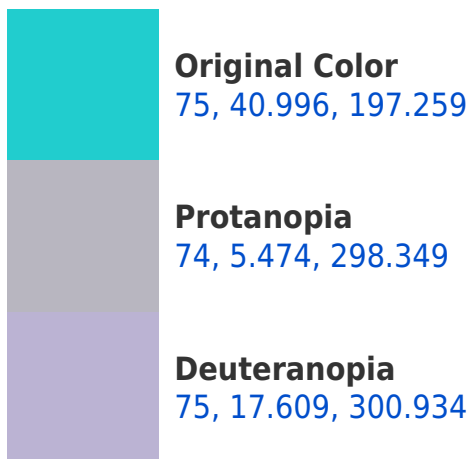


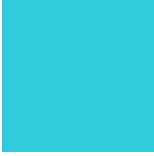
This preview shows how white text looks on a background with the CIELCh color 75, 40.925, 197.265.

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



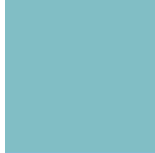


Tritanopia
75, 38.250, 210.050

Trichromacy



Original Color
75, 40.996, 197.259



Protanomaly
73, 20.285, 208.812



Deuteranomaly
73, 21.077, 231.230

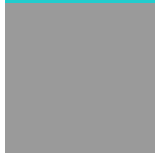


Tritanomaly
75, 39.129, 204.727

Monochromacy



Original Color
75, 40.996, 197.259



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 20.770, 199.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 40.925, 197.265 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(33, 205, 206)` looks like.

```
.text, #text, p{  
    color:rgb(33, 205, 206)  
}
```

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(33, 205, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 205, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 40.925, 197.265 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(33, 205, 206) }
```

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

```
.border{ border-color:rgb(33, 205, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 205, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 205, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 205, 206);  
box-shadow:4px 4px 4px 4px rgb(33, 205,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 40.925, 197.265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 205, 206) }
```

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

```
.background{ background-color: rgb(33, 205,  
206) }
```

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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