

Converting Colors

CIELCh(75, 30.484, 197.181)

Have a look what the booklet for
CIELCh(75, 30.484, 197.181)
contains.

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Color

CIELCh(75, 30.473, 197.174)

Conversions

Conversions Part 1

Format	Color
Hex	64C8C8
RGB	100, 200, 200
RGB Percent	39%, 78%, 78%
CMY	0.6072, 0.2151, 0.2151
CMYK	0.50, 0.00, 0.00, 0.22
HSL	180°, 48%, 59%
HSV	180°, 50%, 78%
XYZ	36.4086, 48.2781, 62.1392
YIQ	170.1000, -59.6000, -21.2000

Conversions

Conversions Part 2

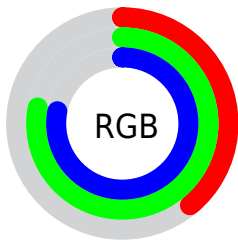
Format	Color
RYB	100, 150, 200
Decimal	6605000
CIELab	75.00, -29.11, -9.00
CIELCh	75, 30.473, 197.174
Yxy	48.2781, 0.2480, 0.3288
Android (android.graphics.Color)	4284795080 (0xFF64C8C8)
YUV	170.1000, 14.7407, -61.4777
Hunter-Lab	69.4824, -28.0607, -4.3862

Details

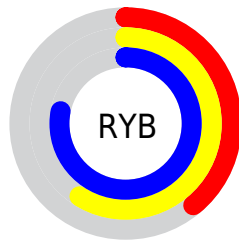
The CIELCh color **75, 30.473, 197.174** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **54, 43.827, 25.088**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.902, 197.576**, and **55, 30.583, 196.603** is the 20% darker color. If you saturate the color by 10%, you get **74, 34.468, 196.889**, and if you desaturate by 10%, it is **76, 25.640, 197.520**.

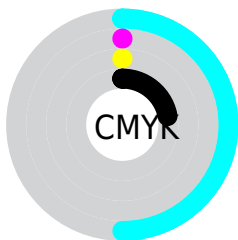
Distribution



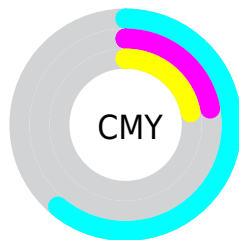
- Red (39%)
- Green (78%)
- Blue (78%)



- Red (39%)
- Yellow (59%)
- Blue (78%)



- Cyan (50%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)





- Cyan (61%)
- Magenta (22%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 30.473, 197.174 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, 30.473, 197.174 by changing the saturation by 10% instead.


 75, 30.473,
197.174


 75, 30.473,
197.174


 100, 30.473,
197.174


 65, 30.473,
197.174


 95, 30.473,
197.174

 55, 30.473,
197.174

 45, 30.473,
197.174

 35, 30.473,
197.174

 25, 30.473,
197.174

 15, 30.473,
197.174

 5, 30.473, 197.174

0, 30.473, 197.174

75, 30.473,
197.174

75, 30.473,
197.174

74, 34.468,
196.889

76, 25.640,
197.520

74, 37.569,
196.672

77, 20.061,
197.930

74, 39.763,
196.519

78, 13.844,
198.400

73, 41.096,
196.427

79, 7.108, 198.941

73, 41.759,
196.381

81, 0.036, 3.940

82, 7.478, 19.905

73, 41.762,
196.381

84, 15.130, 20.538

■ 85, 20.842, 20.996

■ 85, 20.842, 20.996

Harmonies

Complementary

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



75, 30.473, 197.174



54, 43.827, 25.088

Rectangle

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



75, 30.473, 197.174



75, 30.473, 247.174



75, 30.473, 17.174



75, 30.473, 67.174

Sweetspot

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



75, 30.473, 197.172



97, 12.851, 198.645



73, 63.905, 140.051



52, 8.713, 198.532



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, 30.473, 197.172



92, 41.744, 196.867



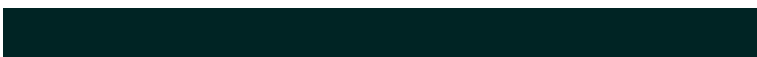
61, 30.427, 262.957



41, 4.034, 198.976



61, 35.889, 196.381



12, 12.984, 196.382

Inverse Universe

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



54, 43.827, 25.088



63, 65.768, 27.673



65, 35.738, 67.519



39, 4.279, 19.920



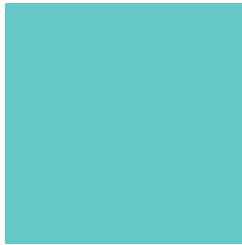
34, 74.643, 39.775



3, 15.885, 19.403

Previews

White Background



This preview shows how the CIELCh color 75, 30.473, 197.174 looks on a white background.

Color Contrast Check

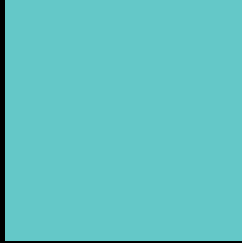
Large Text (above 18pt) WCAG AA × Fail

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, 30.473, 197.174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

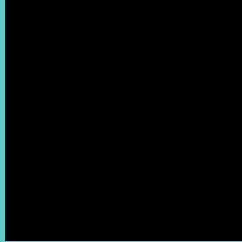
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

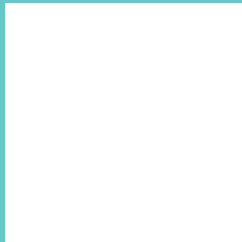
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 30.473, 197.174

Background



This preview shows how black text looks on a background with the CIELCh color 75, 30.473, 197.174.

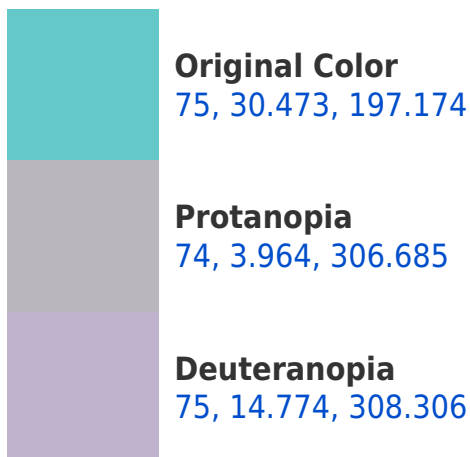


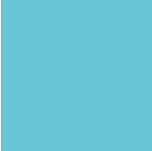
This preview shows how white text looks on a background with the CIELCh color 75, 30.473, 197.174.

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, 28.558, 215.305

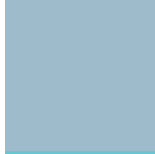
Trichromacy



Original Color
75, 30.473, 197.174



Protanomaly
74, 12.329, 208.679



Deuteranomaly
74, 12.958, 240.960

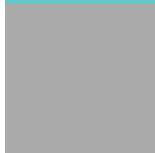


Tritanomaly
75, 29.037, 208.204

Monochromacy



Original Color
75, 30.473, 197.174



Achromatopsia
70, 0.009, 296.813



Achromatomaly
71, 12.723, 198.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 30.473, 197.174 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(100, 200, 200)` looks like.

```
.text, #text, p{  
    color:rgb(100, 200, 200)  
}
```

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(100, 200, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 200, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 30.473, 197.174 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(100, 200, 200) }
```

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

```
.border{ border-color:rgb(100, 200, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 200, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 200, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 200, 200);  
box-shadow:4px 4px 4px 4px rgb(100, 200,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 30.473, 197.174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 200, 200) }
```

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

```
.background{ background-color: rgb(100,  
200, 200) }
```

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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