

Converting Colors

CIELCh(75, 29.856, 203.084)

Have a look what the booklet for
CIELCh(75, 29.856, 203.084)
contains.

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Color

CIELCh(75, 30.070, 202.449)

Conversions

Conversions Part 1

Format	Color
Hex	64C8CD
RGB	100, 200, 205
RGB Percent	39%, 78%, 80%
CMY	0.6089, 0.2167, 0.1971
CMYK	0.51, 0.02, 0.00, 0.20
HSL	183°, 51%, 60%
HSV	183°, 51%, 80%
XYZ	36.8080, 48.2781, 64.9733
YIQ	170.6700, -61.2050, -19.6450

Conversions

Conversions Part 2

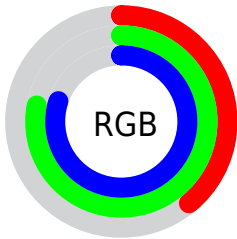
Format	Color
RYB	100, 151, 205
Decimal	6605005
CIELab	75.00, -27.79, -11.48
CIELCh	75, 30.070, 202.449
Yxy	48.2781, 0.2453, 0.3217
Android (android.graphics.Color)	4284795085 (0xFF64C8CD)
YUV	170.6700, 16.9247, -61.9776
Hunter-Lab	69.4824, -27.0347, -6.8046

Details

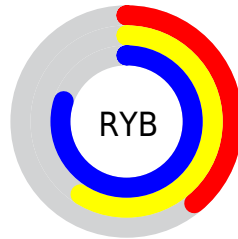
The CIELCh color **75, 30.070, 202.449** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **56, 44.354, 28.372**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.902, 197.576**, and **55, 30.111, 202.240** is the 20% darker color. If you saturate the color by 10%, you get **74, 33.775, 202.537**, and if you desaturate by 10%, it is **76, 25.521, 202.483**.

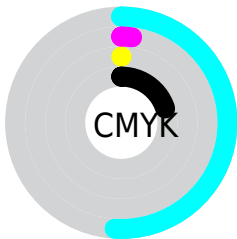
Distribution



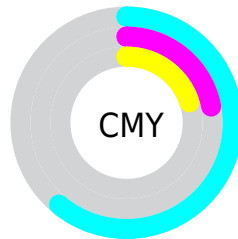
- Red (39%)
- Green (78%)
- Blue (80%)



- Red (39%)
- Yellow (59%)
- Blue (80%)



- Cyan (51%)
- Magenta (2%)
- Yellow (0%)
- Black (20%)




- Cyan (61%)
- Magenta (22%)
- Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 30.070, 202.449 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, 30.070, 202.449 by changing the saturation by 10% instead.

 75, 30.070,
202.449

 75, 30.070,
202.449


 100, 30.070,
202.449

 65, 30.070,
202.449


 95, 30.070,
202.449

 55, 30.070,
202.449

 45, 30.070,
202.449

 35, 30.070,
202.449

 25, 30.070,
202.449

 15, 30.070,
202.449

 5, 30.070, 202.449

0, 30.070, 202.449

75, 30.070,
202.449

75, 30.070,
202.449

74, 33.775,
202.537

76, 25.521,
202.483

73, 36.578,
202.770

77, 20.219,
202.631

73, 38.465,
203.159

79, 14.274,
202.875

72, 39.484,
203.715

80, 7.802, 203.217

72, 39.839,
204.315

82, 0.913, 204.134

84, 6.289, 23.843

86, 13.718, 24.346

■ 87, 17.994, 25.315

■ 87, 17.684, 26.992

Harmonies

Complementary

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



75, 30.070, 202.449



56, 44.354, 28.372

Rectangle

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



75, 30.070, 202.449



75, 30.070, 252.449



75, 30.070, 22.449



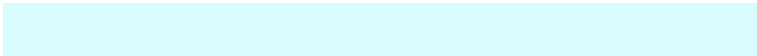
75, 30.070, 72.449

Sweetspot

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



75, 30.070, 202.447



97, 12.250, 203.071



74, 65.551, 141.064



51, 8.304, 202.998



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, 30.070, 202.447



90, 40.417, 202.563



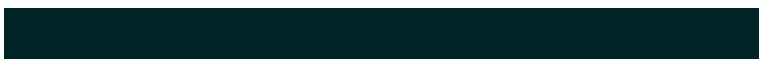
60, 33.872, 268.838



42, 3.928, 203.297



59, 34.078, 204.188



12, 12.840, 202.486

Inverse Universe

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



58, 64.494, 328.525



67, 89.832, 329.051



68, 38.046, 72.267



40, 7.298, 326.242



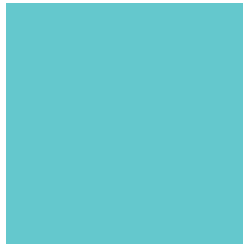
39, 80.670, 330.203



5, 27.954, 329.079

Previews

White Background



This preview shows how the CIELCh color 75, 30.070, 202.449 looks on a white background.

Color Contrast Check

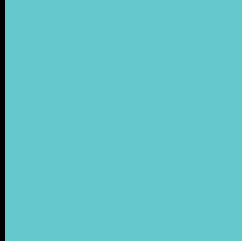
Large Text (above 18pt) WCAG AA × Fail

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, 30.070, 202.449 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

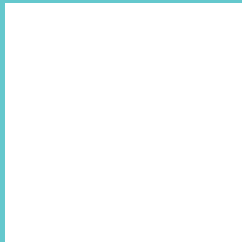
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 30.070, 202.449

Background



This preview shows how black text looks on a background with the CIELCh color 75, 30.070, 202.449.

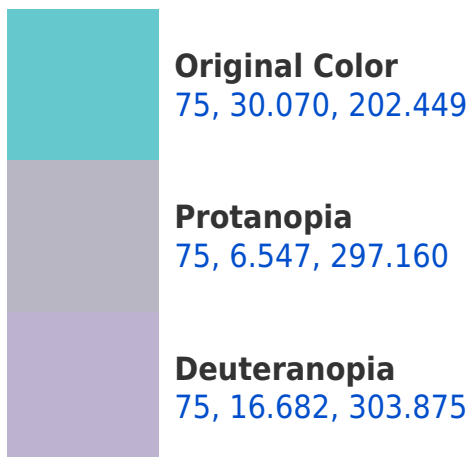


This preview shows how white text looks on a background with the CIELCh color 75, 30.070, 202.449.

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, 28.975, 215.015

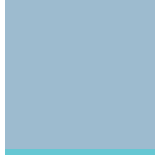
Trichromacy



Original Color
75, 30.070, 202.449



Protanomaly
74, 13.032, 223.262



Deuteranomaly
74, 14.580, 247.043

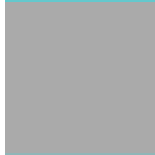


Tritanomaly
75, 29.261, 210.317

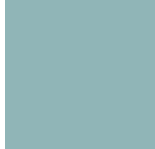
Monochromacy



Original Color
75, 30.070, 202.449



Achromatopsia
70, 0.009, 296.813



Achromatomaly
71, 13.000, 203.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 30.070, 202.449 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(100, 200, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 200, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 30.070, 202.449 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, 205) }
```

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

```
.border{ border-color:rgb(100, 200, 205) }
```

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, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 200, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 200, 205);  
box-shadow:4px 4px 4px 4px rgb(100, 200,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 30.070, 202.449 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, 205) }
```

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

```
.background{ background-color: rgb(100,  
200, 205) }
```

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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