

Converting Colors

CIELCh(75, 28.966, 199.007)

Have a look what the booklet for
CIELCh(75, 28.966, 199.007)
contains.

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Color

CIELCh(75, 28.924, 199.454)

Conversions

Conversions Part 1

Format	Color
Hex	69C7C9
RGB	105, 199, 201
RGB Percent	41%, 78%, 79%
CMY	0.5867, 0.2181, 0.2103
CMYK	0.48, 0.01, 0.00, 0.21
HSL	181°, 47%, 60%
HSV	181°, 48%, 79%
XYZ	36.9654, 48.2781, 62.8558
YIQ	171.1220, -56.6660, -19.3060

Conversions

Conversions Part 2

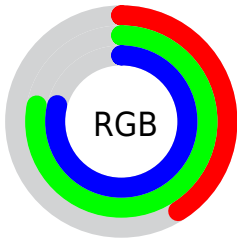
Format	Color
RYB	105, 152, 201
Decimal	6932425
CIELab	75.00, -27.27, -9.63
CIELCh	75, 28.924, 199.454
Yxy	48.2781, 0.2496, 0.3260
Android (android.graphics.Color)	4285122505 (0xFF69C7C9)
YUV	171.1220, 14.7299, -57.9890
Hunter-Lab	69.4824, -26.6304, -4.9977

Details

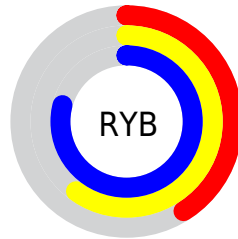
The CIELCh color **75, 28.924, 199.454** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **56, 41.054, 25.960**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 28.874, 197.638**, and **55, 29.070, 199.036** is the 20% darker color. If you saturate the color by 10%, you get **74, 33.024, 199.295**, and if you desaturate by 10%, it is **76, 24.009, 199.696**.

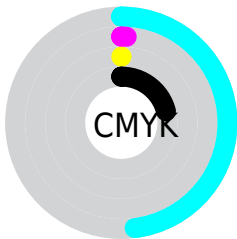
Distribution



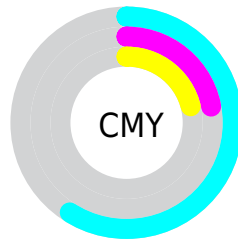
- Red (41%)
- Green (78%)
- Blue (79%)



- Red (41%)
- Yellow (60%)
- Blue (79%)



- Cyan (48%)
- Magenta (1%)
- Yellow (0%)
- Black (21%)




- Cyan (59%)
- Magenta (22%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 28.924, 199.454 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, 28.924, 199.454 by changing the saturation by 10% instead.


 75, 28.924,
199.454


 75, 28.924,
199.454


 100, 28.924,
199.454


 65, 28.924,
199.454


 95, 28.924,
199.454

 55, 28.924,
199.454

 45, 28.924,
199.454

 35, 28.924,
199.454

 25, 28.924,
199.454

 15, 28.924,
199.454

 5, 28.924, 199.454

0, 28.924, 199.454

75, 28.924,
199.454

75, 28.924,
199.454

74, 33.024,
199.295

76, 24.009,
199.696

74, 36.240,
199.232

77, 18.378,
200.020

73, 38.546,
199.270

78, 12.141,
200.418

73, 39.969,
199.409

80, 5.415, 200.912

72, 40.626,
199.644

81, 1.689, 20.962

83, 9.071, 21.747

72, 40.735,
199.704

85, 16.647, 22.318

■ 86, 19.859, 22.916

■ 86, 19.714, 23.544

Harmonies

Complementary

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



75, 28.924, 199.454



56, 41.054, 25.960

Rectangle

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



75, 28.924, 199.454



75, 28.924, 249.454



75, 28.924, 19.454



75, 28.924, 69.454

Sweetspot

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



75, 28.924, 199.452



97, 11.776, 200.574



74, 61.141, 141.045



52, 8.078, 200.474



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, 28.924, 199.452



92, 39.508, 199.293



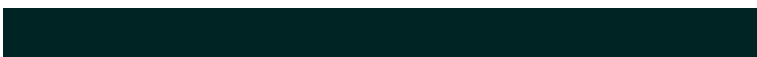
61, 30.456, 266.056



41, 3.950, 200.815



60, 34.864, 199.653



11, 12.692, 198.915

Inverse Universe

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



59, 60.688, 327.533



69, 85.617, 327.983



67, 34.431, 71.130



39, 7.279, 325.493



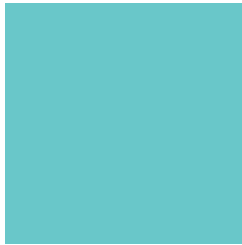
38, 81.436, 329.067



4, 26.273, 327.700

Previews

White Background



This preview shows how the CIELCh color 75, 28.924, 199.454 looks on a white background.

Color Contrast Check

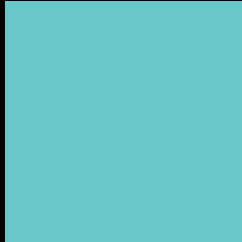
Large Text (above 18pt) WCAG AA × Fail

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, 28.924, 199.454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

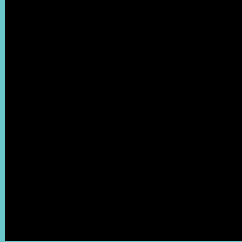
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

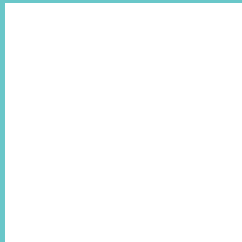
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 28.924, 199.454

Background



This preview shows how black text looks on a background with the CIELCh color 75, 28.924, 199.454.

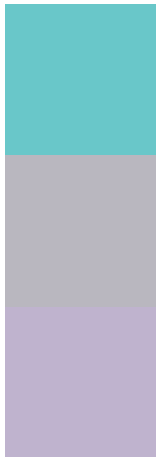


This preview shows how white text looks on a background with the CIELCh color 75, 28.924, 199.454.

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



Original Color

75, 28.924, 199.454

Protanopia

75, 4.401, 300.163

Deuteranopia

75, 15.291, 307.733



Tritanopia
75, 27.477, 216.110

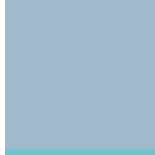
Trichromacy



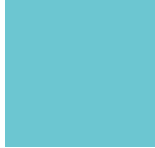
Original Color
75, 28.924, 199.454



Protanomaly
74, 11.843, 214.572



Deuteranomaly
74, 12.987, 247.784

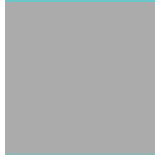


Tritanomaly
75, 27.707, 209.989

Monochromacy



Original Color
75, 28.924, 199.454



Achromatopsia
70, 0.009, 296.813



Achromatomaly
71, 12.024, 201.092

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 28.924, 199.454 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(105, 199, 201)` looks like.

```
.text, #text, p{  
    color:rgb(105, 199, 201)  
}
```

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(105, 199, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 199, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 28.924, 199.454 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(105, 199, 201) }
```

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

```
.border{ border-color:rgb(105, 199, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 199, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 199, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 199, 201);  
box-shadow:4px 4px 4px 4px rgb(105, 199,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 28.924, 199.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 199, 201) }
```

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

```
.background{ background-color: rgb(105,  
199, 201) }
```

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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