

Converting Colors

CIELCh(75, 28.119, 195.116)

Have a look what the booklet for
CIELCh(75, 28.119, 195.116)
contains.

CIELCh(75, 28.124, 195.101)	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, 28.124, 195.101)

Conversions

Conversions Part 1

Format	Color
Hex	6EC7C5
RGB	110, 199, 197
RGB Percent	43%, 78%, 77%
CMY	0.5680, 0.2190, 0.2269
CMYK	0.45, 0.00, 0.01, 0.22
HSL	179°, 44%, 61%
HSV	179°, 45%, 78%
XYZ	37.0018, 48.2781, 60.2803
YIQ	172.1610, -52.4020, -19.4900

Conversions

Conversions Part 2

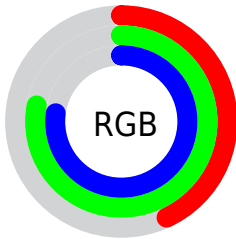
Format	Color
R_{YB}	110, 155, 199
Decimal	7260101
CIE _{Lab}	75.00, -27.15, -7.33
CIE _{LCh}	75, 28.124, 195.101
Yxy	48.2781, 0.2542, 0.3317
Android (android.graphics.Color)	4285450181 (0xFF6EC7C5)
YUV	172.1610, 12.2456, -54.5152
Hunter-Lab	69.4824, -26.5368, -2.8000

Details

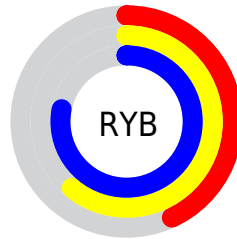
The CIELCh color **75, 28.124, 195.101** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **57, 38.202, 22.434**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 27.637, 196.634**, and **55, 28.329, 194.422** is the 20% darker color. If you saturate the color by 10%, you get **74, 32.641, 194.644**, and if you desaturate by 10%, it is **76, 22.830, 195.593**.

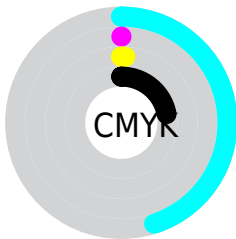
Distribution



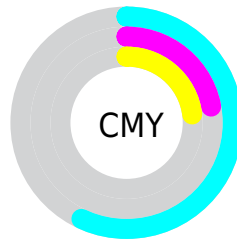
- Red (43%)
- Green (78%)
- Blue (77%)



- Red (43%)
- Yellow (61%)
- Blue (78%)



- Cyan (45%)
- Magenta (0%)
- Yellow (1%)
- Black (22%)





- Cyan (57%)
- Magenta (22%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 28.124, 195.101 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, 28.124, 195.101 by changing the saturation by 10% instead.


 75, 28.124,
195.101


 75, 28.124,
195.101


 100, 28.124,
195.101


 65, 28.124,
195.101


 95, 28.124,
195.101

 55, 28.124,
195.101

 45, 28.124,
195.101

 35, 28.124,
195.101

 25, 28.124,
195.101

 15, 28.124,
195.101

 5, 28.124, 195.101

0, 28.124, 195.101

75, 28.124,
195.101

75, 28.124,
195.101

74, 32.641,
194.644

76, 22.830,
195.593

74, 36.300,
194.228

77, 16.864,
196.129

73, 39.060,
193.845

78, 10.342,
196.710

73, 40.928,
193.489

80, 3.381, 197.408

73, 41.977,
193.149

81, 3.908, 17.719

73, 42.331,
192.972

83, 11.430, 18.442

85, 19.101, 19.104

■ 85, 21.204, 18.828

■ 85, 21.195, 18.200

Harmonies

Complementary

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



75, 28.124, 195.101



57, 38.202, 22.434

Rectangle

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



75, 28.124, 195.101



75, 28.124, 245.101



75, 28.124, 15.101



75, 28.124, 65.101

Sweetspot

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



75, 28.124, 195.099



98, 11.232, 196.802



73, 57.125, 140.242



52, 7.812, 196.665



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, 28.124, 195.099



93, 39.369, 194.640



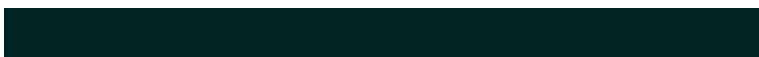
63, 26.765, 259.580



41, 4.043, 197.048



61, 36.506, 193.020



12, 13.154, 193.752

Inverse Universe

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



57, 38.202, 22.434



66, 57.911, 24.560



66, 31.306, 66.461



39, 4.278, 18.099



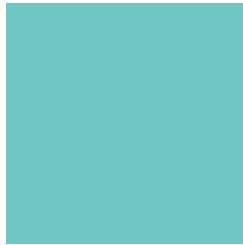
34, 73.738, 38.865



3, 15.892, 18.236

Previews

White Background



This preview shows how the CIE LCh color 75, 28.124, 195.101 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 CIE LCh color 75, 28.124, 195.101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

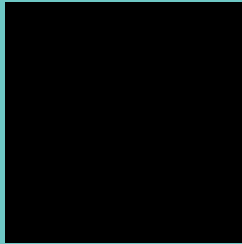
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

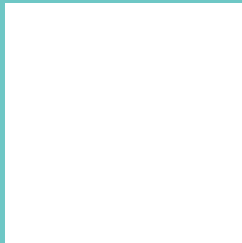
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 28.124, 195.101

Background



This preview shows how black text looks on a background with the CIELCh color 75, 28.124, 195.101.

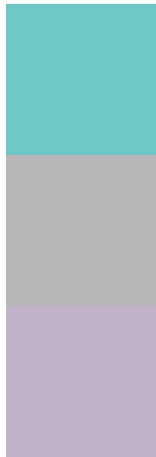


This preview shows how white text looks on a background with the CIELCh color 75, 28.124, 195.101.

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, 28.124, 195.101

Protanopia
75, 2.448, 317.309

Deuteranopia
75, 13.491, 313.238



Tritanopia
75, 26.139, 217.177

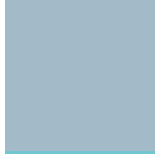
Trichromacy



Original Color
75, 28.124, 195.101



Protanomaly
74, 10.954, 204.297



Deuteranomaly
74, 10.851, 243.427

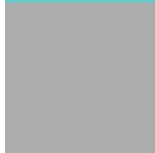


Tritanomaly
75, 26.528, 208.196

Monochromacy



Original Color
75, 28.124, 195.101



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 11.433, 195.775

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 28.124, 195.101 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(110, 199, 197)` looks like.

```
.text, #text, p{  
    color:rgb(110, 199, 197)  
}
```

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(110, 199, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 199, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 28.124, 195.101 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(110, 199, 197) }
```

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

```
.border{ border-color:rgb(110, 199, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 199, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 199, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 199, 197);  
box-shadow:4px 4px 4px 4px rgb(110, 199,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 28.124, 195.101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 199, 197) }
```

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

```
.background{ background-color: rgb(110,  
199, 197) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor