

Converting Colors

CIELCh(75, 31.800, 207.274)

Have a look what the booklet for
CIELCh(75, 31.800, 207.274)
contains.

CIELCh(75, 31.706, 207.104)	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, 31.706, 207.104)

Conversions

Conversions Part 1

Format	Color
Hex	5BC8D2
RGB	91, 200, 210
RGB Percent	36%, 78%, 82%
CMY	0.6424, 0.2150, 0.1758
CMYK	0.57, 0.05, 0.00, 0.18
HSL	185°, 57%, 59%
HSV	185°, 57%, 82%
XYZ	36.6771, 48.2781, 68.4639
YIQ	168.5490, -68.1740, -19.9980

Conversions

Conversions Part 2

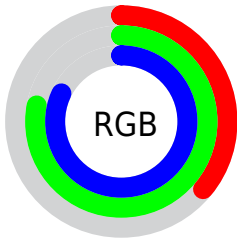
Format	Color
R_{YB}	91, 148, 210
Decimal	6015186
CIE _{Lab}	75.00, -28.22, -14.45
CIE _{LCh}	75, 31.706, 207.104
Yxy	48.2781, 0.2391, 0.3147
Android (android.graphics.Color)	4284205266 (0xFF5BC8D2)
YUV	168.5490, 20.4353, -68.0105
Hunter-Lab	69.4824, -27.3711, -9.7832

Details

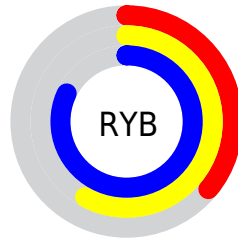
The CIELCh color **75, 31.706, 207.104** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **56, 49.528, 31.724**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.646, 197.470**, and **55, 31.740, 207.202** is the 20% darker color. If you saturate the color by 10%, you get **74, 34.866, 207.628**, and if you desaturate by 10%, it is **76, 27.665, 206.777**.

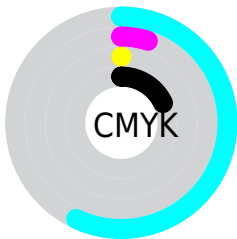
Distribution



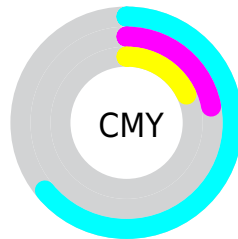
- Red (36%)
- Green (78%)
- Blue (82%)



- Red (36%)
- Yellow (58%)
- Blue (82%)



- Cyan (57%)
- Magenta (5%)
- Yellow (0%)
- Black (18%)





- Cyan (64%)
- Magenta (22%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 31.706, 207.104 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, 31.706, 207.104 by changing the saturation by 10% instead.


 75, 31.706,
207.104


 75, 31.706,
207.104


 100, 31.706,
207.104


 65, 31.706,
207.104


 95, 31.706,
207.104

 55, 31.706,
207.104

 45, 31.706,
207.104

 35, 31.706,
207.104

 25, 31.706,
207.104

 15, 31.706,
207.104

 5, 31.706, 207.104

0, 31.706, 207.104

75, 31.706,
207.104

75, 31.706,
207.104

74, 34.866,
207.628

76, 27.665,
206.777

73, 37.108,
208.385

78, 22.823,
206.621

72, 38.446,
209.403

79, 17.284,
206.609

71, 38.977,
210.701

81, 11.160,
206.721

71, 39.069,
211.175

83, 4.566, 206.981

85, 2.394, 26.871

87, 9.627, 27.365

■ 89, 15.408, 28.403

■ 89, 14.922, 32.136

Harmonies

Complementary

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



75, 31.706, 207.104



56, 49.528, 31.724

Rectangle

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



75, 31.706, 207.104



75, 31.706, 257.104



75, 31.706, 27.104



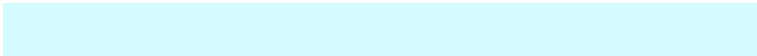
75, 31.706, 77.104

Sweetspot

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



75, 31.706, 207.102



96, 13.338, 206.712



76, 70.740, 141.740



51, 8.865, 206.680



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, 31.706, 207.102



88, 40.988, 207.770



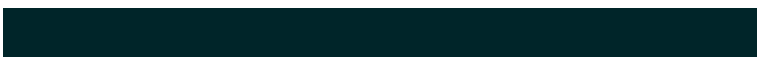
58, 40.900, 275.287



43, 3.875, 206.885



58, 33.154, 210.922



13, 12.882, 207.841

Inverse Universe

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



57, 69.907, 329.986



65, 93.592, 330.588



69, 44.091, 76.216



41, 7.264, 327.306



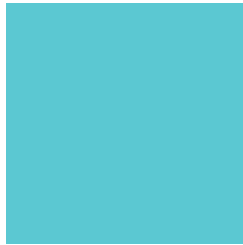
39, 79.294, 331.860



5, 29.177, 330.730

Previews

White Background



This preview shows how the CIE LCh color 75, 31.706, 207.104 looks on a white background.

Color Contrast Check

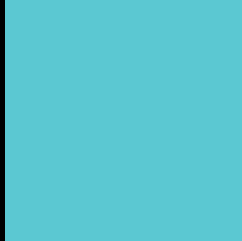
Large Text (above 18pt) WCAG AA × Fail

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, 31.706, 207.104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

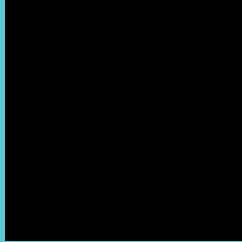
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 31.706, 207.104

Background



This preview shows how black text looks on a background with the CIELCh color 75, 31.706, 207.104.

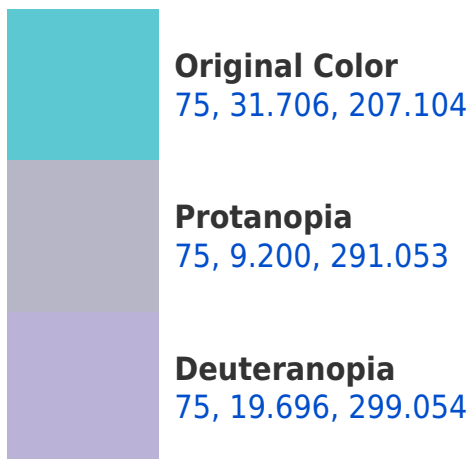


This preview shows how white text looks on a background with the CIELCh color 75, 31.706, 207.104.

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, 31.161, 213.601

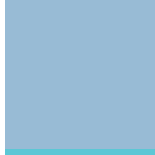
Trichromacy



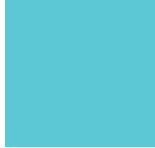
Original Color
75, 31.706, 207.104



Protanomaly
74, 15.230, 228.528



Deuteranomaly
74, 17.866, 251.143

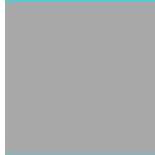


Tritanomaly
75, 31.294, 211.417

Monochromacy



Original Color
75, 31.706, 207.104



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 13.685, 207.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 31.706, 207.104 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(91, 200, 210)` looks like.

```
.text, #text, p{  
    color:rgb(91, 200, 210)  
}
```

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(91, 200, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 200, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 31.706, 207.104 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(91, 200, 210) }
```

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

```
.border{ border-color:rgb(91, 200, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 200, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 200, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 200, 210);  
box-shadow:4px 4px 4px 4px rgb(91, 200,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 31.706, 207.104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 200, 210) }
```

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

```
.background{ background-color: rgb(91, 200,  
210) }
```

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