

Converting Colors

CIELCh(88, 10.633, 197.283)

Have a look what the booklet for
CIELCh(88, 10.633, 197.283)
contains.

CIELCh(88, 10.737, 195.922)	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(88, 10.737, 195.922)

Conversions

Conversions Part 1

Format	Color
Hex	C4E3E2
RGB	196, 227, 226
RGB Percent	77%, 89%, 89%
CMY	0.2319, 0.1103, 0.1143
CMYK	0.14, 0.00, 0.00, 0.11
HSL	178°, 36%, 83%
HSV	178°, 14%, 89%
XYZ	63.8711, 72.0653, 82.3975
YIQ	217.6170, -18.1550, -6.8830

Conversions

Conversions Part 2

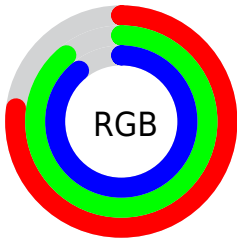
Format	Color
RYB	196, 212, 227
Decimal	12903394
CIELab	88.00, -10.33, -2.95
CIElCh	88, 10.737, 195.922
Yxy	72.0653, 0.2925, 0.3301
Android (android.graphics.Color)	4291093474 (0xFFC4E3E2)
YUV	217.6170, 4.1328, -18.9581
Hunter-Lab	84.8913, -14.2586, 1.8756

Details

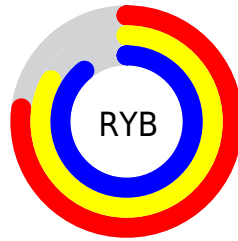
The CIELCh color `88, 10.737, 195.922` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `82, 11.662, 17.688`, and the grayscale version is `87, 0.010, 296.813`.

A 20% lighter version of the original color is `100, 0.695, 200.315`, and `68, 10.842, 195.606` is the 20% darker color. If you saturate the color by 10%, you get `87, 18.059, 195.291`, and if you desaturate by 10%, it is `90, 2.946, 196.685`.

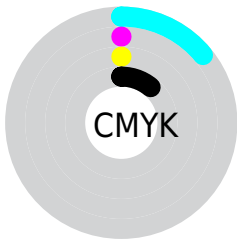
Distribution



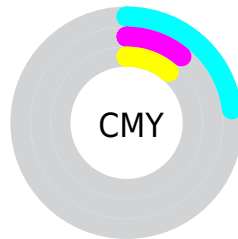
- Red (77%)
- Green (89%)
- Blue (89%)



- Red (77%)
- Yellow (83%)
- Blue (89%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)





- Cyan (23%)
- Magenta (11%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 10.737, 195.922 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 88, 10.737, 195.922 by changing the saturation by 10% instead.


 88, 10.737,
195.922


 88, 10.737,
195.922


 100, 10.737,
195.922


 78, 10.737,
195.922


 68, 10.737,
195.922

 58, 10.737,
195.922

 48, 10.737,
195.922

 38, 10.737,
195.922

 28, 10.737,
195.922

 18, 10.737,

195.922

■ 8, 10.737, 195.922

■ 0, 10.737, 195.922

■ 88, 10.737,
195.922

■ 88, 10.737,
195.922

■ 87, 18.059,
195.291

■ 90, 2.946, 196.685

■ 85, 24.777,
194.709

■ 91, 5.194, 17.006

■ 84, 30.759,
194.161

■ 92, 10.256, 16.633

■ 84, 35.884,
193.643

■ 92, 10.275, 14.535


■ 83, 40.057,

■ 92, 10.307, 12.448


■ 93, 10.353, 10.377

193.153


 93, 10.414, 8.328


 82, 43.224,
192.684

 93, 10.487, 6.305

 82, 45.392,
192.227

 93, 10.574, 4.313

 82, 46.635,
191.770

 82, 47.084,
191.479

Harmonies

Complementary

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



88, 10.737, 195.922



82, 11.662, 17.688

Rectangle

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



88, 10.737, 195.922



88, 10.737, 245.922



88, 10.737, 15.922



88, 10.737, 65.922

Sweetspot

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



88, 10.738, 195.913



99, 3.534, 196.643



87, 19.601, 142.766



53, 2.508, 196.566



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



88, 10.738, 195.913



97, 13.734, 195.756



84, 9.402, 253.560



46, 4.469, 196.198



65, 38.919, 191.558



17, 15.915, 192.327

Inverse Universe

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



82, 11.662, 17.688



89, 15.151, 17.915



85, 9.804, 70.073



44, 4.728, 17.314



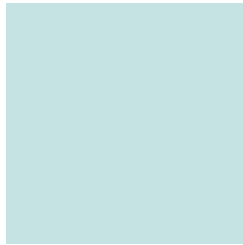
36, 77.706, 38.621



6, 25.464, 19.581

Previews

White Background



This preview shows how the CIE LCh color 88, 10.737, 195.922 looks on a white background.

Color Contrast Check

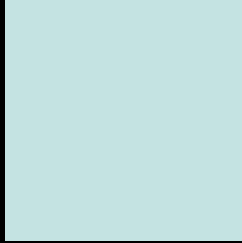
Large Text (above 18pt) WCAG AA × Fail

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 88, 10.737, 195.922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

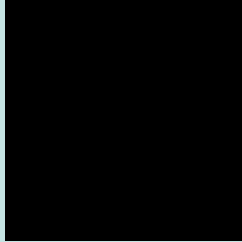
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

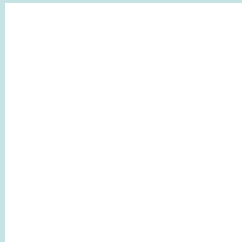
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 10.737, 195.922

Background



This preview shows how black text looks on a background with the CIELCh color 88, 10.737, 195.922.



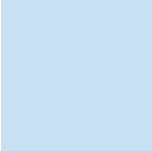
This preview shows how white text looks on a background with the CIELCh color 88, 10.737, 195.922.

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](#).

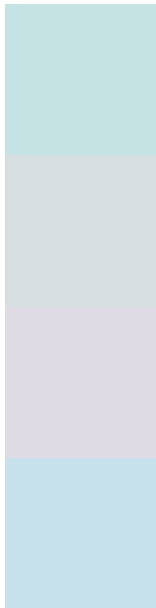
Dichromacy





Tritanopia
88, 12.424, 248.426

Trichromacy



Original Color
88, 10.737, 195.922

Protanomaly
88, 2.876, 209.883

Deuteranomaly
88, 4.936, 307.265

Tritanomaly
88, 10.686, 231.557

Monochromacy



Original Color
88, 10.737, 195.922

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 4.296, 192.241

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 10.737, 195.922 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(196, 227, 226)` looks like.

```
.text, #text, p{  
    color:rgb(196, 227, 226)  
}
```

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(196, 227, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 227, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 10.737, 195.922 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(196, 227, 226) }
```

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

```
.border{ border-color:rgb(196, 227, 226) }
```

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

Here you see how a box with a 4 pixel rgb(196, 227, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 227, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 227, 226);  
box-shadow:4px 4px 4px 4px rgb(196, 227,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 10.737, 195.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 227, 226) }
```

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

```
.background{ background-color: rgb(196,  
227, 226) }
```

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