

Converting Colors

CIELCh(88, 30.101, 186.353)

Have a look what the booklet for
CIELCh(88, 30.101, 186.353)
contains.

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Color

CIElCh(88, 30.100, 186.342)

Conversions

Conversions Part 1

Format	Color
Hex	91EDE2
RGB	145, 237, 226
RGB Percent	57%, 93%, 89%
CMY	0.4314, 0.0706, 0.1138
CMYK	0.39, 0.00, 0.05, 0.07
HSL	173°, 72%, 75%
HSV	173°, 39%, 93%
XYZ	55.6774, 72.0653, 82.9133
YIQ	208.2380, -51.3010, -22.9250

Conversions

Conversions Part 2

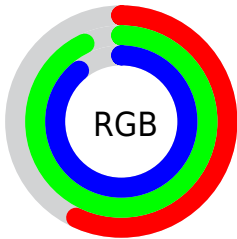
Format	Color
RYB	145, 194, 237
Decimal	9563618
CIELab	88.00, -29.92, -3.32
CIELCh	88, 30.100, 186.342
Yxy	72.0653, 0.2643, 0.3421
Android (android.graphics.Color)	4287753698 (0xFF91EDE2)
YUV	208.2380, 8.7567, -55.4597
Hunter-Lab	84.8913, -31.4874, 1.5154

Details

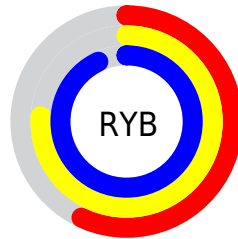
The CIELCh color **88, 30.100, 186.342** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **70, 37.160, 14.158**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 17.489, 198.347**, and **68, 30.253, 186.400** is the 20% darker color. If you saturate the color by 10%, you get **87, 36.333, 185.428**, and if you desaturate by 10%, it is **89, 23.108, 187.216**.

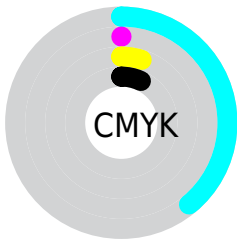
Distribution



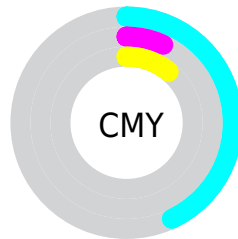
- Red (57%)
- Green (93%)
- Blue (89%)



- Red (57%)
- Yellow (76%)
- Blue (93%)



- Cyan (39%)
- Magenta (0%)
- Yellow (5%)
- Black (7%)





- Cyan (43%)
- Magenta (7%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 30.100, 186.342 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, 30.100, 186.342 by changing the saturation by 10% instead.


 88, 30.100,
186.342


 88, 30.100,
186.342


 100, 30.100,
186.342


 78, 30.100,
186.342

 68, 30.100,
186.342

 58, 30.100,
186.342

 48, 30.100,
186.342

 38, 30.100,
186.342


 28, 30.100,
186.342


 18, 30.100,

186.342


 8, 30.100, 186.342


 0, 30.100, 186.342


 88, 30.100,
186.342


 88, 30.100,
186.342

 87, 36.333,
185.428


 89, 23.108,
187.216

 86, 41.678,
184.465

 91, 15.498,
188.071

 86, 46.042,
183.434

 92, 7.414, 188.934

 85, 49.381,
182.315

 94, 1.011, 9.059

 95, 6.647, 5.661

 85, 51.724,

181.088

95, 7.130, 354.286

85, 53.224,
179.749

95, 7.857, 344.698

85, 53.380,
179.590

95, 8.769, 336.936

96, 9.815, 330.751

Harmonies

Complementary

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



88, 30.100, 186.342



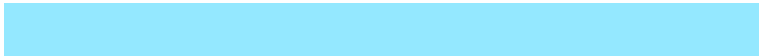
70, 37.160, 14.158

Rectangle

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



88, 30.100, 186.342



88, 30.100, 236.342



88, 30.100, 6.342



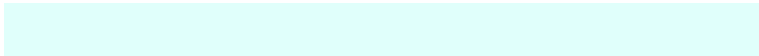
88, 30.100, 56.342

Sweetspot

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



88, 30.101, 186.340



98, 10.640, 188.650



87, 55.743, 138.377



52, 7.039, 188.537



0, 0.000, 0.000



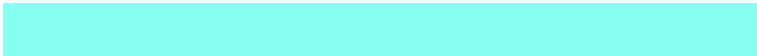
53, 0.007, 296.813

Same Dimension

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



88, 30.101, 186.340



93, 37.389, 185.580



79, 24.852, 245.350



48, 4.730, 188.877



66, 43.525, 179.842



19, 18.268, 182.021

Inverse Universe

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



70, 37.160, 14.158



70, 48.576, 15.780



77, 30.547, 56.454



46, 4.956, 10.315



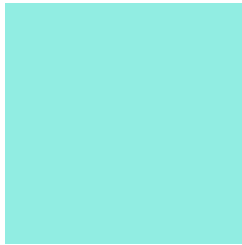
38, 75.702, 34.716



7, 28.094, 17.814

Previews

White Background



This preview shows how the CIE LCh color 88, 30.100, 186.342 looks on a white background.

Color Contrast Check

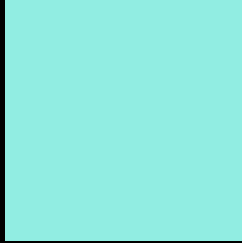
Large Text (above 18pt) WCAG AA × Fail

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 88, 30.100, 186.342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

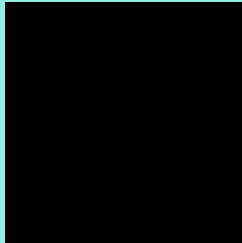
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 30.100, 186.342

Background



This preview shows how black text looks on a background with the CIELCh color 88, 30.100, 186.342.

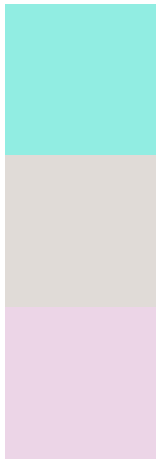


This preview shows how white text looks on a background with the CIELCh color 88, 30.100, 186.342.

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
88, 30.100, 186.342

Protanopia
88, 2.746, 68.558

Deuteranopia
88, 12.536, 331.734

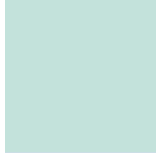


Tritanopia
88, 26.243, 220.352

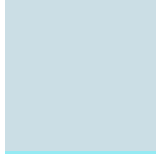
Trichromacy



Original Color
88, 30.100, 186.342



Protanomaly
88, 11.518, 180.091

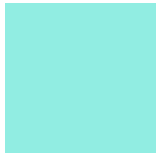


Deuteranomaly
87, 7.457, 228.558

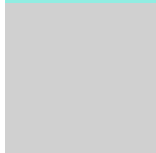


Tritanomaly
88, 26.562, 208.037

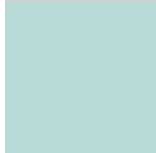
Monochromacy



Original Color
88, 30.100, 186.342



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 12.074, 188.519

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 30.100, 186.342 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(145, 237, 226)` looks like.

```
.text, #text, p{  
    color:rgb(145, 237, 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(145, 237, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 237, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 30.100, 186.342 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(145, 237, 226) }
```

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

```
.border{ border-color:rgb(145, 237, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 237, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 237, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 237, 226);  
box-shadow:4px 4px 4px 4px rgb(145, 237,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 30.100, 186.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 237, 226) }
```

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

```
.background{ background-color: rgb(145,  
237, 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](#).

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