

Converting Colors

CIELCh(88, 20.619, 199.596)

Have a look what the booklet for
CIELCh(88, 20.619, 199.596)
contains.

CIELCh(88, 20.649, 199.516)	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, 20.649, 199.516)

Conversions

Conversions Part 1

Format	Color
Hex	A9E8E9
RGB	169, 232, 233
RGB Percent	66%, 91%, 91%
CMY	0.3371, 0.0900, 0.0861
CMYK	0.27, 0.00, 0.00, 0.09
HSL	181°, 59%, 79%
HSV	181°, 27%, 91%
XYZ	59.9560, 72.0653, 87.8757
YIQ	213.2770, -37.8690, -13.0450

Conversions

Conversions Part 2

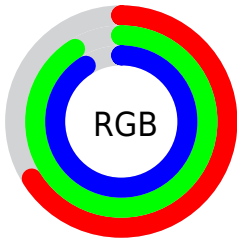
Format	Color
RYB	169, 201, 233
Decimal	11135209
CIELab	88.00, -19.46, -6.90
CIELCh	88, 20.649, 199.516
Yxy	72.0653, 0.2727, 0.3277
Android (android.graphics.Color)	4289325289 (0xFFA9E8E9)
YUV	213.2770, 9.7234, -38.8309
Hunter-Lab	84.8913, -22.4908, -1.9505

Details

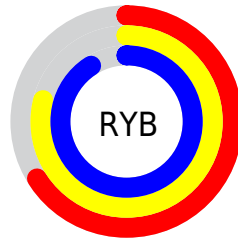
The CIELCh color `88, 20.649, 199.516` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `75, 24.938, 22.785`, and the grayscale version is `85, 0.010, 296.813`.

A 20% lighter version of the original color is `98, 9.843, 198.851`, and `68, 20.465, 199.315` is the 20% darker color. If you saturate the color by 10%, you get `87, 27.020, 199.160`, and if you desaturate by 10%, it is `89, 13.588, 199.936`.

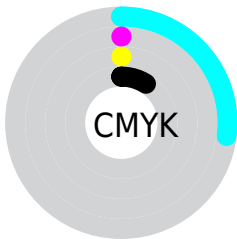
Distribution



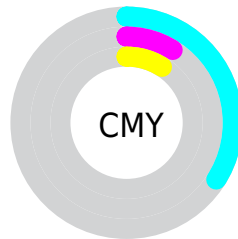
- Red (66%)
- Green (91%)
- Blue (91%)



- Red (66%)
- Yellow (79%)
- Blue (91%)



- Cyan (27%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)





- Cyan (34%)
- Magenta (9%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 20.649, 199.516 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, 20.649, 199.516 by changing the saturation by 10% instead.


 88, 20.649,
199.516


 88, 20.649,
199.516


 100, 20.649,
199.516


 78, 20.649,
199.516

 68, 20.649,
199.516

 58, 20.649,
199.516

 48, 20.649,
199.516

 38, 20.649,
199.516

 28, 20.649,
199.516

 18, 20.649,

199.516

■ 8, 20.649, 199.516

■ 0, 20.649, 199.516

■ 88, 20.649,
199.516

■ 88, 20.649,
199.516

■ 87, 27.020,
199.160

■ 89, 13.588,
199.936

■ 86, 32.572,
198.884

■ 91, 5.970, 200.455

■ 93, 2.077, 20.557

■ 85, 37.193,
198.691

■ 94, 7.765, 21.574

■ 84, 40.807,
198.587

■ 94, 7.641, 22.983

■ 84, 43.386,

■ 94, 7.522, 24.437

198.576

94, 7.408, 25.937

83, 44.964,
198.657

95, 7.300, 27.483

83, 45.669,
198.825

95, 7.196, 29.074

83, 45.780,
198.874

Harmonies

Complementary

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



88, 20.649, 199.516



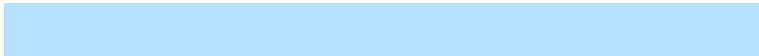
75, 24.938, 22.785

Rectangle

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



88, 20.649, 199.516



88, 20.649, 249.516



88, 20.649, 19.516



88, 20.649, 69.516

Sweetspot

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



88, 20.650, 199.512



98, 6.875, 200.420



87, 40.797, 142.551



52, 4.867, 200.333



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, 20.650, 199.512



95, 26.091, 199.302



80, 19.662, 259.664



48, 4.546, 200.337



66, 37.908, 198.833



19, 16.284, 198.468

Inverse Universe

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



77, 40.377, 326.367



80, 52.042, 326.672



83, 21.205, 71.989



46, 8.369, 325.361



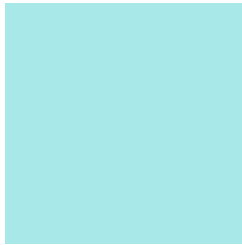
43, 88.283, 328.859



9, 37.872, 328.766

Previews

White Background



This preview shows how the CIE LCh color 88, 20.649, 199.516 looks on a white background.

Color Contrast Check

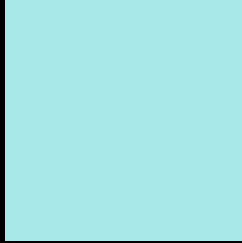
Large Text (above 18pt) WCAG AA × Fail

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, 20.649, 199.516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

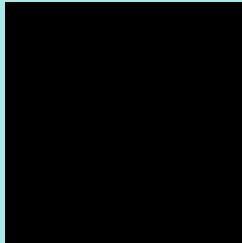
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 20.649, 199.516

Background



This preview shows how black text looks on a background with the CIELCh color 88, 20.649, 199.516.

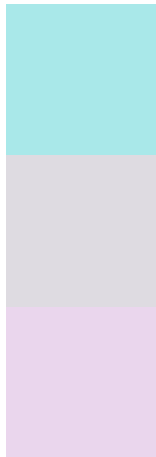


This preview shows how white text looks on a background with the CIELCh color 88, 20.649, 199.516.

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, 20.649, 199.516

Protanopia
88, 3.333, 309.146

Deuteranopia
88, 14.005, 321.289

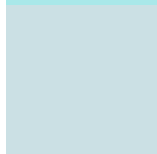


Tritanopia
88, 20.430, 225.919

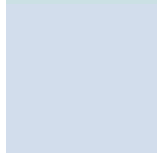
Trichromacy



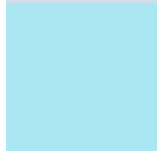
Original Color
88, 20.649, 199.516



Protanomaly
88, 7.537, 215.140



Deuteranomaly
88, 8.632, 264.806

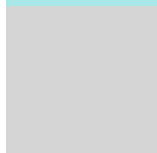


Tritanomaly
88, 20.092, 216.522

Monochromacy



Original Color
88, 20.649, 199.516



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 8.049, 198.910

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 20.649, 199.516 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(169, 232, 233)` looks like.

```
.text, #text, p{  
    color:rgb(169, 232, 233)  
}
```

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(169, 232, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 232, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 20.649, 199.516 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(169, 232, 233) }
```

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

```
.border{ border-color:rgb(169, 232, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 232, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 232, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 232, 233);  
box-shadow:4px 4px 4px 4px rgb(169, 232,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 20.649, 199.516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 232, 233) }
```

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

```
.background{ background-color: rgb(169,  
232, 233) }
```

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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