

Converting Colors

CIELCh(88, 20.367, 173.219)

Have a look what the booklet for
CIELCh(88, 20.367, 173.219)
contains.

CIELCh(88, 20.512, 172.344)	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, 20.512, 172.344)

Conversions

Conversions Part 1

Format	Color
Hex	B3E8D7
RGB	179, 232, 215
RGB Percent	70%, 91%, 84%
CMY	0.2987, 0.0909, 0.1576
CMYK	0.23, 0.00, 0.07, 0.09
HSL	161°, 53%, 81%
HSV	161°, 23%, 91%
XYZ	59.5933, 72.0653, 74.9337
YIQ	214.2150, -26.1310, -16.5230

Conversions

Conversions Part 2

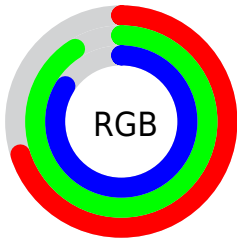
Format	Color
RYB	179, 211, 232
Decimal	11790551
CIELab	88.00, -20.33, 2.73
CIELCh	88, 20.512, 172.344
Yxy	72.0653, 0.2885, 0.3488
Android (android.graphics.Color)	4289980631 (0xFFB3E8D7)
YUV	214.2150, 0.3870, -30.8836
Hunter-Lab	84.8913, -23.2535, 7.0885

Details

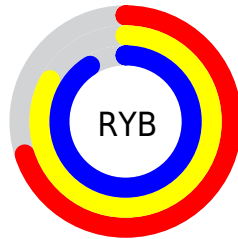
The CIELCh color **88, 20.512, 172.344** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78, 21.826, 356.904**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 6.515, 199.095**, and **68, 20.516, 172.208** is the 20% darker color. If you saturate the color by 10%, you get **87, 29.033, 171.226**, and if you desaturate by 10%, it is **90, 11.659, 173.378**.

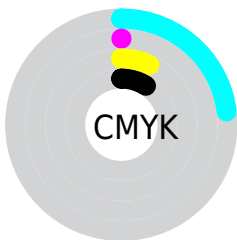
Distribution



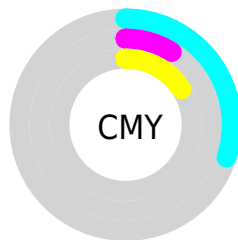
- Red (70%)
- Green (91%)
- Blue (84%)



- Red (70%)
- Yellow (83%)
- Blue (91%)



- Cyan (23%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)



- Cyan (30%)
- Magenta (9%)
- Yellow (16%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 20.512, 172.344 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, 20.512, 172.344 by changing the saturation by 10% instead.

 88, 20.512,
172.344

 88, 20.512,
172.344

 100, 20.512,
172.344

 78, 20.512,
172.344

 68, 20.512,
172.344

 58, 20.512,
172.344

 48, 20.512,
172.344

 38, 20.512,
172.344

 28, 20.512,
172.344

 18, 20.512,

172.344


 8, 20.512, 172.344


 0, 20.512, 172.344

 88, 20.512,
172.344

 88, 20.512,
172.344

 87, 29.033,
171.226


 90, 11.659,
173.378


 85, 37.066,
170.004

 91, 2.605, 174.478


 84, 44.459,
168.653

 93, 6.533, 355.077

 83, 51.070,
167.144

 94, 10.553,
341.754

 83, 56.794,

 94, 13.245,
328.701

165.455

94, 14.480,
324.923

82, 61.584,
163.564

82, 65.476,
161.468

82, 67.848,
159.895

Harmonies

Complementary

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



88, 20.512, 172.344



78, 21.826, 356.904

Rectangle

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



88, 20.512, 172.344



88, 20.512, 222.344



88, 20.512, 352.344



88, 20.512, 42.344

Sweetspot

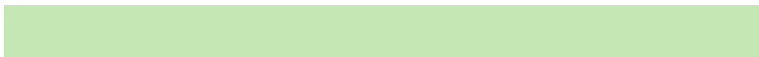
The Sweet Spot groups the original color and five complimentary colors.



88, 20.513, 172.341



99, 6.880, 173.973



88, 30.471, 133.630



52, 4.469, 173.909



0, 0.000, 0.000



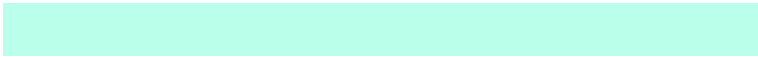
53, 0.007, 296.813

Same Dimension

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



88, 20.513, 172.341



95, 26.019, 171.875



86, 15.295, 216.221



47, 5.118, 173.724



65, 55.420, 160.305



18, 21.854, 164.269

Inverse Universe

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



78, 21.826, 356.904



82, 28.025, 357.453



80, 17.892, 35.756



45, 5.251, 355.376



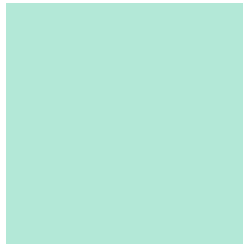
38, 66.422, 19.057



7, 26.684, 7.316

Previews

White Background



This preview shows how the CIELCh color 88, 20.512, 172.344 looks on a white background.

Color Contrast Check

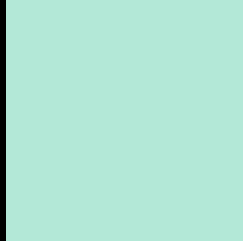
Large Text (above 18pt) WCAG AA × Fail

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, 20.512, 172.344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

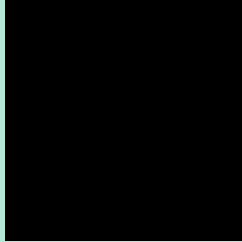
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

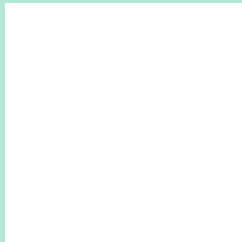
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 20.512, 172.344

Background



This preview shows how black text looks on a background with the CIELCh color 88, 20.512, 172.344.

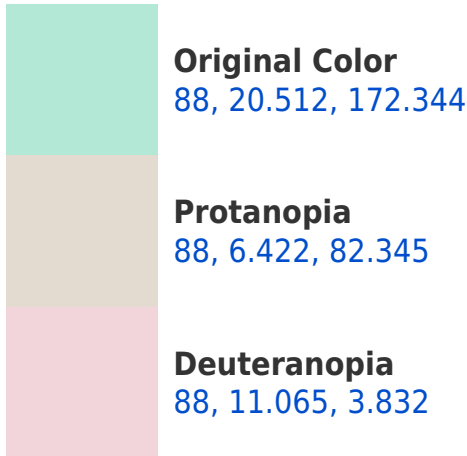


This preview shows how white text looks on a background with the CIELCh color 88, 20.512, 172.344.

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



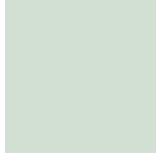


Tritanopia
88, 16.393, 233.854

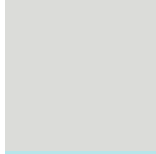
Trichromacy



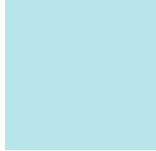
Original Color
88, 20.512, 172.344



Protanomaly
88, 9.139, 145.922

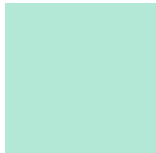


Deuteranomaly
88, 1.600, 123.016

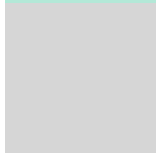


Tritanomaly
88, 15.515, 208.174

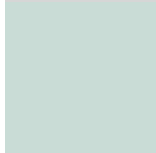
Monochromacy



Original Color
88, 20.512, 172.344



Achromatopsia
86, 0.010, 296.813



Achromatomaly
86, 7.502, 174.148

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 20.512, 172.344 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(179, 232, 215)` looks like.

```
.text, #text, p{  
    color:rgb(179, 232, 215)  
}
```

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(179, 232, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 232, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 20.512, 172.344 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(179, 232, 215) }
```

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

```
.border{ border-color:rgb(179, 232, 215) }
```

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

Here you see how a box with a 4 pixel rgb(179, 232, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 232, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 232, 215);  
box-shadow:4px 4px 4px 4px rgb(179, 232,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 20.512, 172.344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 232, 215) }
```

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

```
.background{ background-color: rgb(179,  
232, 215) }
```

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