

Converting Colors

CIELCh(88, 13.620, 216.553)

Have a look what the booklet for
CIELCh(88, 13.620, 216.553)
contains.

CIELCh(88, 13.620, 216.553)	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, 13.620, 216.553)

Conversions

Conversions Part 1

Format	Color
Hex	BDE4EC
RGB	189, 228, 236
RGB Percent	74%, 89%, 93%
CMY	0.2604, 0.1075, 0.0761
CMYK	0.20, 0.03, 0.00, 0.08
HSL	190°, 55%, 83%
HSV	190°, 20%, 92%
XYZ	63.6020, 72.0653, 89.6048
YIQ	217.2510, -25.8120, -5.7800

Conversions

Conversions Part 2

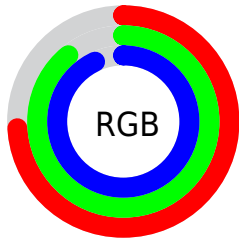
Format	Color
RYB	189, 210, 236
Decimal	12444908
CIELab	88.00, -10.94, -8.11
CIELCh	88, 13.620, 216.553
Yxy	72.0653, 0.2823, 0.3199
Android (android.graphics.Color)	4290634988 (0xFFBDE4EC)
YUV	217.2510, 9.2433, -24.7761
Hunter-Lab	84.8913, -14.8245, -3.1582

Details

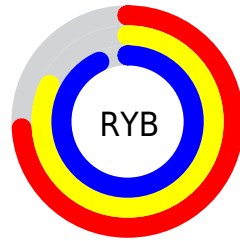
The CIELCh color **88, 13.620, 216.553** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82, 15.586, 36.055**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.114, 199.421**, and **68, 13.631, 214.917** is the 20% darker color. If you saturate the color by 10%, you get **86, 19.741, 216.981**, and if you desaturate by 10%, it is **91, 6.992, 216.308**.

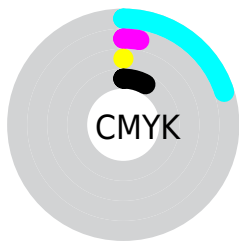
Distribution



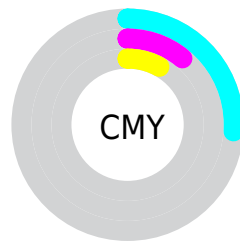
- Red (74%)
- Green (89%)
- Blue (93%)



- Red (74%)
- Yellow (82%)
- Blue (93%)



- Cyan (20%)
- Magenta (3%)
- Yellow (0%)
- Black (8%)



- Cyan (26%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 13.620, 216.553 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, 13.620, 216.553 by changing the saturation by 10% instead.

■ 88, 13.620,
216.553

■ 88, 13.620,
216.553

■ 100, 13.620,
216.553

■ 78, 13.620,
216.553

■ 68, 13.620,
216.553

■ 58, 13.620,
216.553

■ 48, 13.620,
216.553

■ 38, 13.620,
216.553

■ 28, 13.620,
216.553

■ 18, 13.620,

216.553

■ 8, 13.620, 216.553

■ 0, 13.620, 216.553

■ 88, 13.620,
216.553

■ 88, 13.620,
216.553

■ 86, 19.741,
216.981

■ 91, 6.992, 216.308

■ 83, 25.241,
217.639

■ 93, 0.040, 20.472

■ 81, 30.008,
218.568

■ 96, 5.889, 40.091

■ 79, 33.942,
219.833

■ 97, 5.769, 64.716

■ 77, 36.979,

■ 98, 6.656, 86.273

■ 99, 8.225, 101.134

221.505

100, 9.823,
109.434

76, 39.105,
223.660

74, 40.383,
226.365

73, 41.030,
229.595

73, 41.033,
229.613

Harmonies

Complementary

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



88, 13.620, 216.553



82, 15.586, 36.055

Rectangle

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



88, 13.620, 216.553



88, 13.620, 266.553



88, 13.620, 36.553



88, 13.620, 86.553

Sweetspot

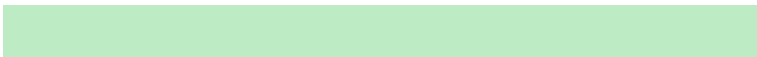
The Sweet Spot groups the original color and five complimentary colors.



88, 13.620, 216.545



98, 4.544, 216.292



89, 26.597, 148.017



52, 3.009, 216.289



0, 0.000, 0.000



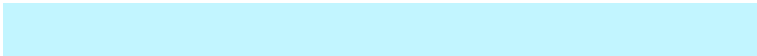
53, 0.007, 296.813

Same Dimension

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



88, 13.620, 216.545



93, 17.236, 216.702



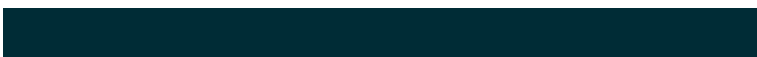
82, 17.271, 273.991



48, 3.986, 216.302



57, 33.677, 228.985



16, 14.447, 223.598

Inverse Universe

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



82, 26.613, 330.730



85, 34.166, 330.999



88, 17.345, 88.576



46, 7.518, 330.057



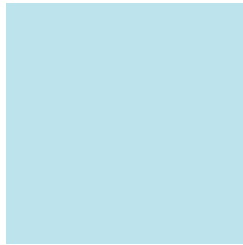
41, 78.275, 336.379



9, 34.162, 334.994

Previews

White Background



This preview shows how the CIELCh color 88, 13.620, 216.553 looks on a white background.

Color Contrast Check

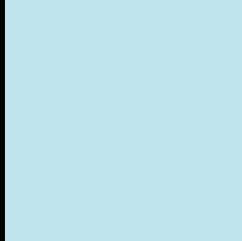
Large Text (above 18pt) WCAG AA × Fail

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, 13.620, 216.553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

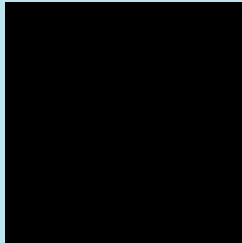
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 88, 13.620, 216.553

Background



This preview shows how black text looks on a background with the CIELCh color 88, 13.620, 216.553.



This preview shows how white text looks on a background with the CIELCh color 88, 13.620, 216.553.

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](#).

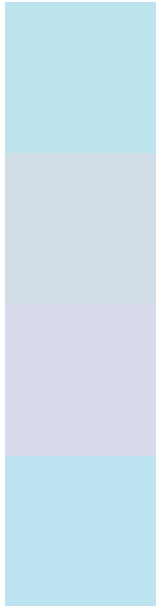
Dichromacy





Tritanopia
88, 14.923, 238.040

Trichromacy



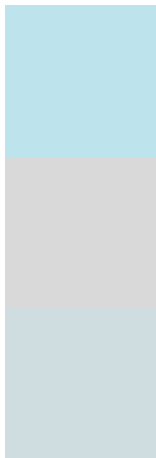
Original Color
88, 13.620, 216.553

Protanomaly
88, 6.827, 249.310

Deuteranomaly
88, 9.426, 286.749

Tritanomaly
88, 14.384, 229.397

Monochromacy



Original Color
88, 13.620, 216.553

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 5.134, 217.022

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 13.620, 216.553 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(189, 228, 236)` looks like.

```
.text, #text, p{  
    color:rgb(189, 228, 236)  
}
```

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(189, 228, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 228, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 13.620, 216.553 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(189, 228, 236) }
```

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

```
.border{ border-color:rgb(189, 228, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 228, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 228, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 228, 236);  
box-shadow:4px 4px 4px 4px rgb(189, 228,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 13.620, 216.553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 228, 236) }
```

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

```
.background{ background-color: rgb(189,  
228, 236) }
```

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