

Converting Colors

CIELCh(88, 12.967, 242.116)

Have a look what the booklet for
CIELCh(88, 12.967, 242.116)
contains.

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Color

CIELCh(88, 12.954, 242.388)

Conversions

Conversions Part 1

Format	Color
Hex	C4E1F2
RGB	196, 225, 242
RGB Percent	77%, 88%, 95%
CMY	0.2310, 0.1173, 0.0506
CMYK	0.19, 0.07, 0.00, 0.05
HSL	202°, 64%, 86%
HSV	202°, 19%, 95%
XYZ	65.7804, 72.0653, 94.5213
YIQ	218.2670, -22.7410, -0.8610

Conversions

Conversions Part 2

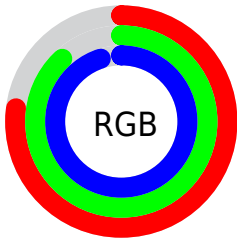
Format	Color
R _{YB}	196, 214, 242
Decimal	12902898
CIE Lab	88.00, -6.00, -11.48
CIE LCh	88, 12.954, 242.388
Yxy	72.0653, 0.2831, 0.3101
Android (android.graphics.Color)	4291092978 (0xFFC4E1F2)
YUV	218.2670, 11.7004, -19.5282
Hunter-Lab	84.8913, -10.2440, -6.5920

Details

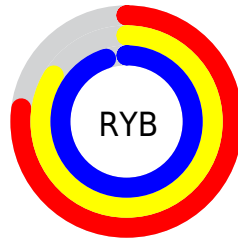
The CIELCh color **88, 12.954, 242.388** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **87, 14.193, 58.398**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 0.695, 200.315**, and **68, 12.880, 242.217** is the 20% darker color. If you saturate the color by 10%, you get **84, 19.370, 243.901**, and if you desaturate by 10%, it is **92, 6.244, 241.179**.

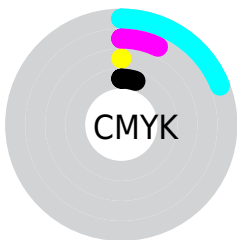
Distribution



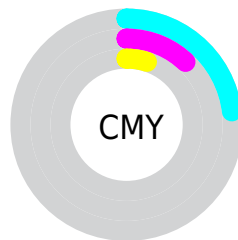
- Red (77%)
- Green (88%)
- Blue (95%)



- Red (77%)
- Yellow (84%)
- Blue (95%)



- Cyan (19%)
- Magenta (7%)
- Yellow (0%)
- Black (5%)



- Cyan (23%)
- Magenta (12%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 88, 12.954, 242.388 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, 12.954, 242.388 by changing the saturation by 10% instead.

■ 88, 12.954,
242.388

■ 88, 12.954,
242.388

■ 100, 12.954,
242.388

■ 78, 12.954,
242.388

■ 68, 12.954,
242.388

■ 58, 12.954,
242.388

■ 48, 12.954,
242.388

■ 38, 12.954,
242.388

■ 28, 12.954,
242.388

■ 18, 12.954,

242.388

■ 8, 12.954, 242.388

■ 0, 12.954, 242.388

■ 88, 12.954,
242.388

■ 88, 12.954,
242.388

■ 84, 19.370,
243.901

■ 92, 6.244, 241.179

■ 80, 25.432,
245.789

■ 96, 0.696, 59.307

■ 77, 31.080,
248.119

■ 99, 5.096, 97.421

■ 100, 6.531,
109.678

■ 73, 36.279,
250.976

■ 70, 41.030,

254.434

■ 67, 45.393,
258.534

■ 64, 49.499,
263.244

■ 61, 53.558,
268.365

■ 61, 53.978,
268.864

Harmonies

Complementary

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



88, 12.954, 242.388



87, 14.193, 58.398

Rectangle

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



88, 12.954, 242.388



88, 12.954, 292.388



88, 12.954, 62.388



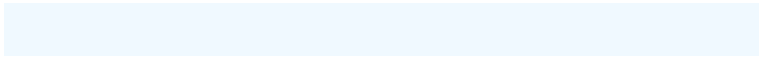
88, 12.954, 112.388

Sweetspot

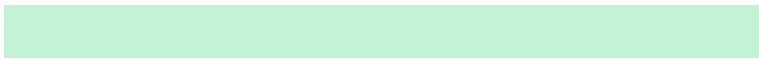
The Sweet Spot groups the original color and five complimentary colors.



88, 12.953, 242.380



97, 4.363, 240.896



92, 22.319, 155.615



52, 2.891, 240.953



0, 0.000, 0.000



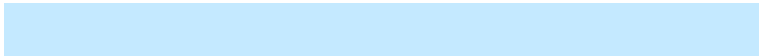
53, 0.007, 296.813

Same Dimension

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



88, 12.953, 242.380



91, 16.225, 242.958



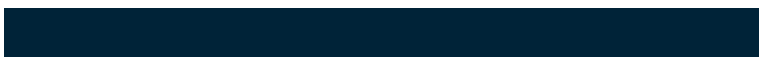
82, 21.191, 286.489



48, 3.907, 241.228



47, 43.317, 267.890



13, 17.206, 259.407

Inverse Universe

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



84, 22.542, 338.675



85, 28.513, 339.018



93, 20.558, 102.050



47, 6.640, 337.901



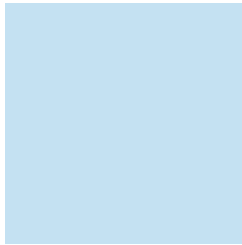
40, 69.291, 350.309



9, 31.134, 346.237

Previews

White Background



This preview shows how the CIELCh color 88, 12.954, 242.388 looks on a white background.

Color Contrast Check

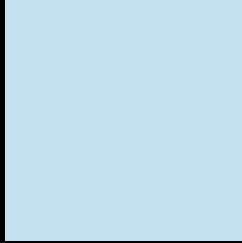
Large Text (above 18pt) WCAG AA × Fail

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, 12.954, 242.388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

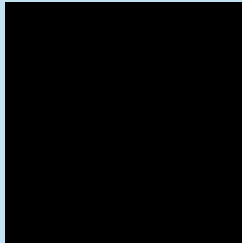
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

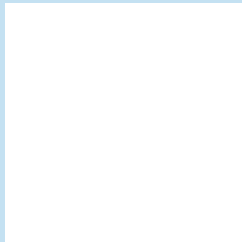
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 88, 12.954, 242.388

Background



This preview shows how black text looks on a background with the CIELCh color 88, 12.954, 242.388.

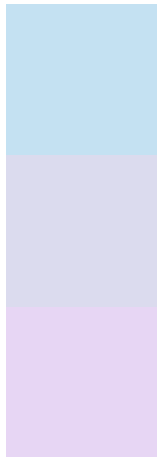


This preview shows how white text looks on a background with the CIELCh color 88, 12.954, 242.388.

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, 12.954, 242.388

Protanopia
88, 9.933, 291.002

Deuteranopia
88, 16.845, 311.886



Tritanopia
88, 13.290, 244.165

Trichromacy



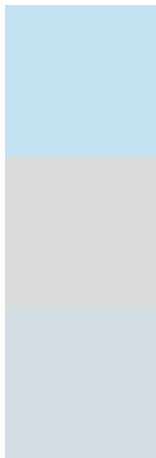
Original Color
88, 12.954, 242.388

Protanomaly
88, 9.938, 270.789

Deuteranomaly
88, 13.077, 291.259

Tritanomaly
88, 13.290, 244.165

Monochromacy



Original Color
88, 12.954, 242.388

Achromatopsia
87, 0.010, 296.813

Achromatomaly
87, 4.924, 238.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 12.954, 242.388 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, 225, 242)` looks like.

```
.text, #text, p{  
    color:rgb(196, 225, 242)  
}
```

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, 225, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 225, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 12.954, 242.388 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, 225, 242) }
```

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

```
.border{ border-color:rgb(196, 225, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 225, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 225, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 225, 242);  
box-shadow:4px 4px 4px 4px rgb(196, 225,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 12.954, 242.388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 225, 242) }
```

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

```
.background{ background-color: rgb(196,  
225, 242) }
```

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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