

Converting Colors

CIELCh(87, 13.206, 228.363)

Have a look what the booklet for
CIELCh(87, 13.206, 228.363)
contains.

CIELCh(87, 13.146, 227.403)	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(87, 13.146, 227.403)

Conversions

Conversions Part 1

Format	Color
Hex	BDE0EC
RGB	189, 224, 236
RGB Percent	74%, 88%, 93%
CMY	0.2598, 0.1225, 0.0755
CMYK	0.20, 0.05, 0.00, 0.08
HSL	195°, 55%, 83%
HSV	195°, 20%, 92%
XYZ	62.6180, 70.0064, 89.3776
YIQ	214.9030, -24.7120, -3.6880

Conversions

Conversions Part 2

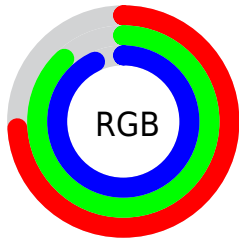
Format	Color
RYB	189, 209, 236
Decimal	12443884
CIELab	87.00, -8.90, -9.68
CIELCh	87, 13.146, 227.403
Yxy	70.0064, 0.2821, 0.3153
Android (android.graphics.Color)	4290633964 (0xFFBDE0EC)
YUV	214.9030, 10.4008, -22.7169
Hunter-Lab	83.6698, -12.8338, -4.7658

Details

The CIELCh color **87, 13.146, 227.403** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **84, 14.890, 45.194**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 3.114, 199.421**, and **67, 13.090, 226.362** is the 20% darker color. If you saturate the color by 10%, you get **84, 19.138, 228.362**, and if you desaturate by 10%, it is **90, 6.723, 226.694**.

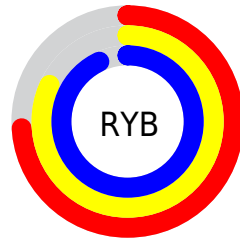
Distribution



Red (74%)

Green (88%)

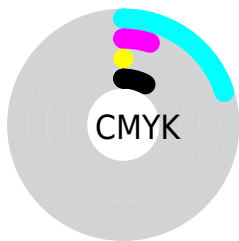
Blue (93%)



Red (74%)

Yellow (82%)

Blue (93%)

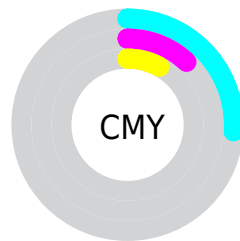


Cyan (20%)

Magenta (5%)

Yellow (0%)

Black (8%)



Cyan (26%)


Magenta (12%)


Yellow (8%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 13.146, 227.403 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 87, 13.146, 227.403 by changing the saturation by 10% instead.


 87, 13.146,
227.403


 87, 13.146,
227.403


 100, 13.146,
227.403


 77, 13.146,
227.403


 67, 13.146,
227.403

 57, 13.146,
227.403

 47, 13.146,
227.403

 37, 13.146,
227.403

 27, 13.146,
227.403

 17, 13.146,

227.403

■ 7, 13.146, 227.403

■ 0, 13.146, 227.403

■ 87, 13.146,
227.403

■ 87, 13.146,
227.403

■ 84, 19.138,
228.362

■ 90, 6.723, 226.694

■ 81, 24.604,
229.637

■ 93, 0.044, 32.351

■ 96, 5.645, 52.730

■ 78, 29.454,
231.293

■ 98, 6.642, 86.842

■ 76, 33.611,
233.417

■ 99, 9.171, 106.881

■ 100, 9.744,
109.439

■ 73, 37.035,

236.103

■ 71, 39.746,
239.439

■ 69, 41.842,
243.478

■ 67, 43.563,
248.106

■ 67, 43.575,
248.137

Harmonies

Complementary

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



87, 13.146, 227.403



84, 14.890, 45.194

Rectangle

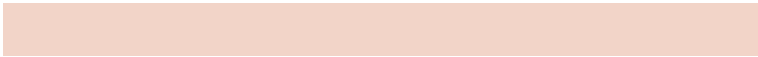
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87, 13.146, 227.403



87, 13.146, 277.403



87, 13.146, 47.403



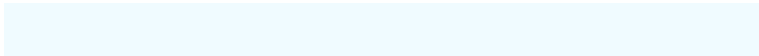
87, 13.146, 97.403

Sweetspot

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



87, 13.146, 227.395



98, 4.367, 226.512



89, 25.020, 150.891



52, 2.893, 226.536



0, 0.000, 0.000



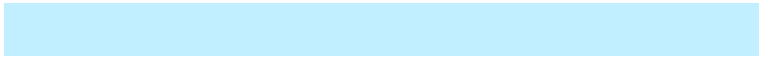
53, 0.007, 296.813

Same Dimension

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



87, 13.146, 227.395



92, 16.662, 227.765



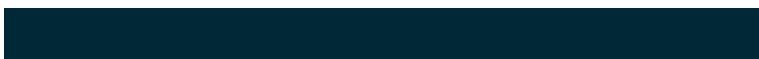
81, 19.039, 279.947



48, 3.834, 226.668



53, 35.574, 247.252



14, 14.705, 239.391

Inverse Universe

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



82, 25.074, 333.866



85, 32.202, 334.168



89, 18.785, 94.818



46, 7.077, 333.128



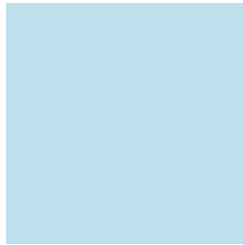
41, 73.559, 341.689



8, 32.347, 339.249

Previews

White Background



This preview shows how the CIE LCh color 87, 13.146, 227.403 looks on a white background.

Color Contrast Check

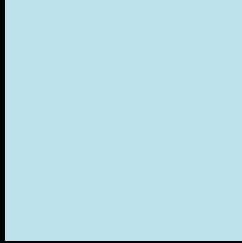
Large Text (above 18pt) WCAG AA × Fail

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 87, 13.146, 227.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

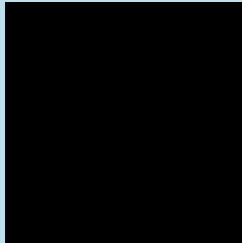
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 13.146, 227.403

Background



This preview shows how black text looks on a background with the CIELCh color 87, 13.146, 227.403.

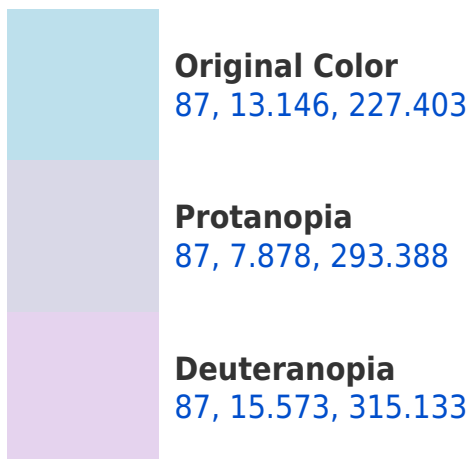


This preview shows how white text looks on a background with the CIELCh color 87, 13.146, 227.403.

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](#).

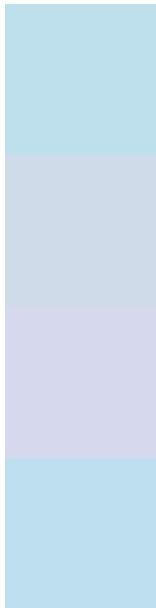
Dichromacy





Tritanopia
87, 14.231, 240.508

Trichromacy



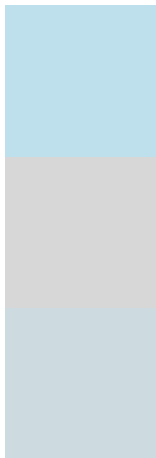
Original Color
87, 13.146, 227.403

Protanomaly
87, 8.339, 261.024

Deuteranomaly
87, 11.017, 287.511

Tritanomaly
87, 13.629, 236.925

Monochromacy



Original Color
87, 13.146, 227.403

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 5.219, 229.436

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 13.146, 227.403 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, 224, 236)` looks like.

```
.text, #text, p{  
    color:rgb(189, 224, 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, 224, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 224, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 13.146, 227.403 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, 224, 236) }
```

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

```
.border{ border-color:rgb(189, 224, 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, 224, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 224, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 224, 236);  
box-shadow:4px 4px 4px 4px rgb(189, 224,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 13.146, 227.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 224, 236) }
```

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

```
.background{ background-color: rgb(189,  
224, 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](#).

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