

Converting Colors

CIELCh(87, 12.219, 226.460)

Have a look what the booklet for
CIELCh(87, 12.219, 226.460)
contains.

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Color

CIELCh(87, 12.097, 227.342)

Conversions

Conversions Part 1

Format	Color
Hex	BFDFEA
RGB	191, 223, 234
RGB Percent	75%, 87%, 92%
CMY	0.2498, 0.1243, 0.0812
CMYK	0.18, 0.05, 0.00, 0.08
HSL	195°, 51%, 83%
HSV	195°, 18%, 92%
XYZ	62.9210, 70.0064, 88.2641
YIQ	214.6860, -22.6030, -3.3630

Conversions

Conversions Part 2

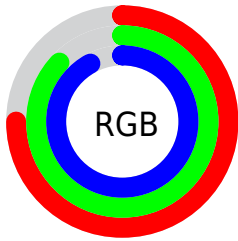
Format	Color
R _Y B	191, 209, 234
Decimal	12574698
CIE Lab	87.00, -8.20, -8.90
CIE LCh	87, 12.097, 227.342
Yxy	70.0064, 0.2845, 0.3165
Android (android.graphics.Color)	4290764778 (0xFFBFD _F E _A)
YUV	214.6860, 9.5218, -20.7726
Hunter-Lab	83.6698, -12.1875, -3.9767

Details

The CIELCh color `87, 12.097, 227.342` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `84, 13.553, 45.301`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 2.426, 199.524`, and `67, 12.025, 226.122` is the 20% darker color. If you saturate the color by 10%, you get `84, 18.133, 228.259`, and if you desaturate by 10%, it is `90, 5.647, 226.675`.

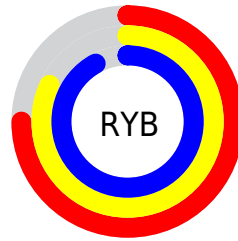
Distribution



Red (75%)

Green (87%)

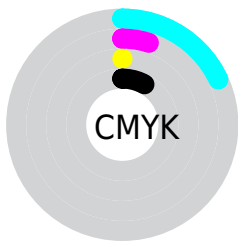
Blue (92%)



Red (75%)

Yellow (82%)

Blue (92%)

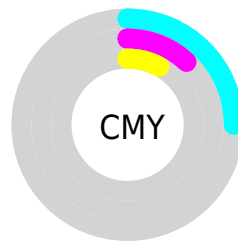


Cyan (18%)

Magenta (5%)

Yellow (0%)

Black (8%)



Cyan (25%)

Magenta (12%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 12.097, 227.342 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, 12.097, 227.342 by changing the saturation by 10% instead.

■ 87, 12.097,
227.342

■ 87, 12.097,
227.342

■ 100, 12.097,
227.342

■ 77, 12.097,
227.342

■ 67, 12.097,
227.342

■ 57, 12.097,
227.342

■ 47, 12.097,
227.342

■ 37, 12.097,
227.342

■ 27, 12.097,
227.342

■ 17, 12.097,

227.342

■ 7, 12.097, 227.342

■ 0, 12.097, 227.342

■ 87, 12.097,
227.342

■ 87, 12.097,
227.342

■ 84, 18.133,
228.259

■ 90, 5.647, 226.675

■ 81, 23.662,
229.484

■ 93, 1.130, 45.512

■ 78, 28.593,
231.077

■ 96, 6.077, 55.414

■ 76, 32.845,
233.124

■ 98, 7.144, 86.716

■ 73, 36.373,

■ 99, 9.625, 105.721

■ 100, 10.477,
109.385

235.718

■ 71, 39.184,
238.950

■ 69, 41.364,
242.879

■ 67, 43.108,
247.458

■ 67, 43.395,
248.224

Harmonies

Complementary

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



87, 12.097, 227.342



84, 13.553, 45.301

Rectangle

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



87, 12.097, 227.342



87, 12.097, 277.342



87, 12.097, 47.342



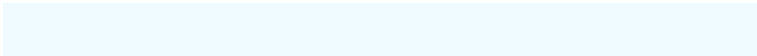
87, 12.097, 97.342

Sweetspot

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



87, 12.097, 227.333



98, 4.367, 226.576



89, 22.918, 151.025



52, 2.892, 226.600



0, 0.000, 0.000



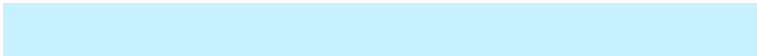
53, 0.007, 296.813

Same Dimension

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



87, 12.097, 227.333



93, 15.365, 227.649



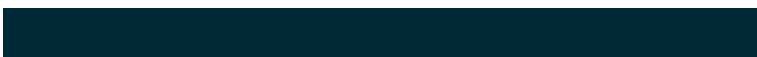
81, 17.410, 279.701



48, 3.833, 226.733



53, 35.595, 247.356



14, 14.710, 239.484

Inverse Universe

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



82, 22.952, 333.773



86, 29.499, 334.042



89, 17.196, 95.014



46, 7.074, 333.147



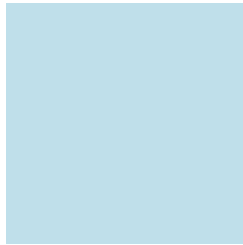
41, 73.533, 341.723



8, 32.336, 339.277

Previews

White Background



This preview shows how the CIE LCh color 87, 12.097, 227.342 looks on a white background.

Color Contrast Check

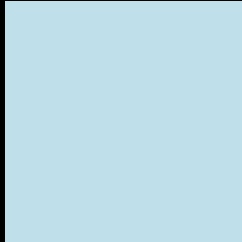
Large Text (above 18pt) WCAG AA × Fail

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, 12.097, 227.342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

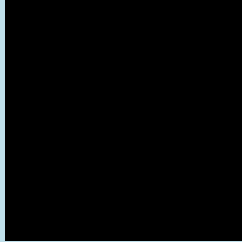
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 12.097, 227.342

Background



This preview shows how black text looks on a background with the CIELCh color 87, 12.097, 227.342.



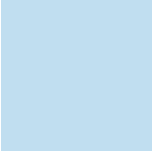
This preview shows how white text looks on a background with the CIELCh color 87, 12.097, 227.342.

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](#).

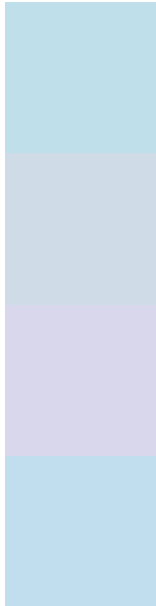
Dichromacy





Tritanopia
87, 13.543, 243.228

Trichromacy



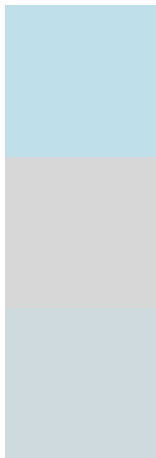
Original Color
87, 12.097, 227.342

Protanomaly
87, 7.728, 261.234

Deuteranomaly
87, 11.026, 292.900

Tritanomaly
87, 12.897, 239.592

Monochromacy



Original Color
87, 12.097, 227.342

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 4.683, 225.903

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 12.097, 227.342 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(191, 223, 234)` looks like.

```
.text, #text, p{  
    color:rgb(191, 223, 234)  
}
```

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(191, 223, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 223, 234) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 12.097, 227.342 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(191, 223, 234) }
```

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

```
.border{ border-color:rgb(191, 223, 234) }
```

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

Here you see how a box with a 4 pixel rgb(191, 223, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 223, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 223, 234);  
box-shadow:4px 4px 4px 4px rgb(191, 223,  
234) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 12.097, 227.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 223, 234) }
```

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

```
.background{ background-color: rgb(191,  
223, 234) }
```

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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