

Converting Colors

CIELCh(87, 5.021, 190.431)

Have a look what the booklet for
CIELCh(87, 5.021, 190.431) contains.

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Color

CIELCh(87, 5.090, 187.287)

Conversions

Conversions Part 1

Format	Color
Hex	CFDDDB
RGB	207, 221, 219
RGB Percent	81%, 87%, 86%
CMY	0.1887, 0.1338, 0.1416
CMYK	0.06, 0.00, 0.01, 0.13
HSL	171°, 17%, 84%
HSV	171°, 6%, 87%
XYZ	64.2946, 70.0064, 77.0594
YIQ	216.5860, -7.7020, -3.5900

Conversions

Conversions Part 2

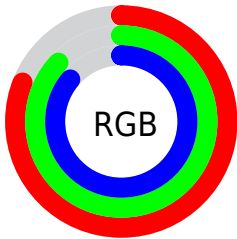
Format	Color
R_{YB}	207, 215, 221
Decimal	13622747
CIE Lab	87.00, -5.05, -0.65
CIE LCh	87, 5.090, 187.287
Yxy	70.0064, 0.3042, 0.3312
Android (android.graphics.Color)	4291812827 (0xFFCFDDDB)
YUV	216.5860, 1.1901, -8.4069
Hunter-Lab	83.6698, -9.2570, 3.9631

Details

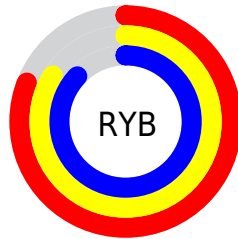
The CIELCh color $87, 5.090, 187.287$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $84, 5.245, 8.132$, and the grayscale version is $87, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $67, 4.995, 186.274$ is the 20% darker color. If you saturate the color by 10%, you get $85, 12.898, 186.352$, and if you desaturate by 10%, it is $89, 2.985, 7.795$.

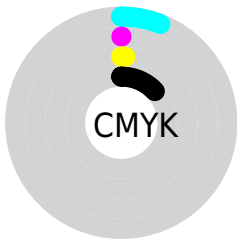
Distribution



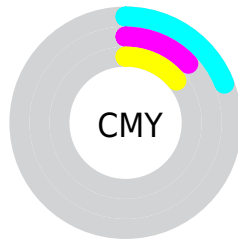
- Red (81%)
- Green (87%)
- Blue (86%)



- Red (81%)
- Yellow (84%)
- Blue (87%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (13%)



- Cyan (19%)
- Magenta (13%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 5.090, 187.287 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, 5.090, 187.287 by changing the saturation by 10% instead.

■ 87, 5.090, 187.287

■ 87, 5.090, 187.287

■ 100, 5.090,
187.287

■ 77, 5.090, 187.287

■ 67, 5.090, 187.287

■ 57, 5.090, 187.287

■ 47, 5.090, 187.287

■ 37, 5.090, 187.287

■ 27, 5.090, 187.287

■ 17, 5.090, 187.287

■ 7, 5.090, 187.287

■ 0, 5.090, 187.287

87, 5.090, 187.287

87, 5.090, 187.287

85, 12.898,
186.352

89, 2.985, 7.795

84, 20.314,
185.456

91, 11.226, 8.739

83, 27.206,
184.531

91, 12.991, 3.072

82, 33.438,
183.560

91, 13.515,
356.423

81, 38.882,
182.528

91, 14.212,
350.359

80, 43.437,
181.414

91, 15.058,
344.932

80, 47.043,
180.198

91, 16.030,
340.138

80, 49.704,
178.859

91, 17.105,
335.935

92, 18.266,

■ 79, 51.506,
177.383

332.264

Harmonies

Complementary

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



87, 5.090, 187.287



84, 5.245, 8.132

Rectangle

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



87, 5.090, 187.287



87, 5.090, 237.287



87, 5.090, 7.287



87, 5.090, 57.287

Sweetspot

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



87, 5.092, 187.270



100, 1.814, 187.866



87, 8.532, 140.011



53, 1.031, 187.893



0, 0.000, 0.000



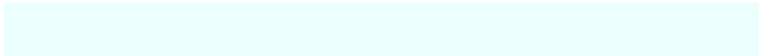
53, 0.007, 296.813

Same Dimension

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



87, 5.092, 187.270



98, 7.201, 187.101



86, 4.083, 238.473



45, 4.512, 186.974



64, 43.327, 177.100



16, 16.900, 180.028

Inverse Universe

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



84, 5.245, 8.132



95, 7.476, 8.315



85, 4.199, 57.102



43, 4.713, 8.458



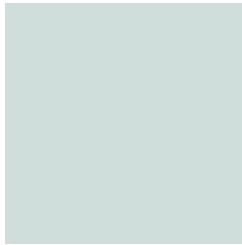
36, 72.085, 33.139



5, 23.721, 14.086

Previews

White Background



This preview shows how the CIELCh color 87, 5.090, 187.287 looks on a white background.

Color Contrast Check

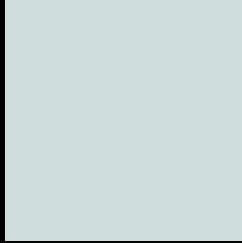
Large Text (above 18pt) WCAG AA × Fail

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 87, 5.090, 187.287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

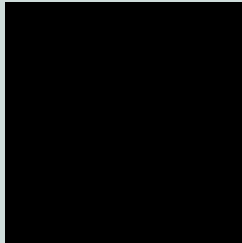
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

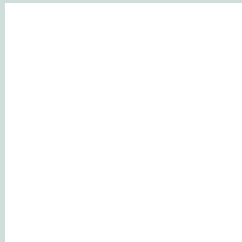
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 5.090, 187.287

Background



This preview shows how black text looks on a background with the CIELCh color 87, 5.090, 187.287.

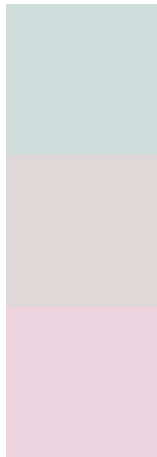


This preview shows how white text looks on a background with the CIELCh color 87, 5.090, 187.287.

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

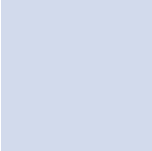
87, 5.090, 187.287

Protanopia

87, 1.877, 35.354

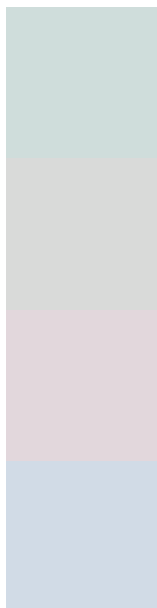
Deuteranopia

87, 10.814, 351.347



Tritanopia
87, 9.764, 274.591

Trichromacy



Original Color
87, 5.090, 187.287

Protanomaly
87, 0.629, 144.854

Deuteranomaly
87, 4.779, 346.494

Tritanomaly
87, 6.668, 259.219

Monochromacy



Original Color
87, 5.090, 187.287

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 1.870, 183.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 5.090, 187.287 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(207, 221, 219)` looks like.

```
.text, #text, p{  
    color:rgb(207, 221, 219)  
}
```

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(207, 221, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 221, 219) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 5.090, 187.287 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(207, 221, 219) }
```

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

```
.border{ border-color:rgb(207, 221, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 221, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 221, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 221, 219);  
box-shadow:4px 4px 4px 4px rgb(207, 221,  
219) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 5.090, 187.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 221, 219) }
```

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

```
.background{ background-color: rgb(207,  
221, 219) }
```

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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