Converting Colors

CIELCh(87, 13.538, 191.276)

Have a look what the booklet for CIELCh(87, 13.538, 191.276) contains.

Color

CIELCh(87, 13.641, 189.637)

Conversions

Conversions Part 1

Format	Color
Hex	BBE2DE
RGB	187, 226, 222
RGB Percent	73%, 89%, 87%
CMY	0.2679, 0.1149, 0.1306
CMYK	0.17, 0.00, 0.02, 0.11
HSL	174°, 40%, 81%
HSV	174°, 17%, 89%
XYZ	60.6735, 70.0064, 79.2036
YIQ	213.8830, -21.9600, -9.5120

Conversions

Conversions Part 2

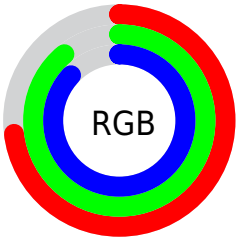
Format	Color
RYB	187, 208, 226
Decimal	12313310
CIELab	87.00, -13.45, -2.28
CIELCh	87, 13.641, 189.637
Yxy	70.0064, 0.2891, 0.3335
Android (android.graphics.Color)	4290503390 (0xFFBBE2DE)
YUV	213.8830, 4.0017, -23.5764
Hunter-Lab	83.6698, -16.9821, 2.4438

Details

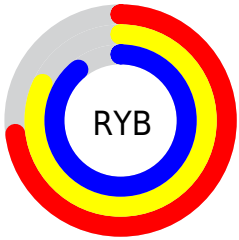
The CIELCh color 87, 13.641, 189.637 is a light color, and the websafe version is hex 99CCCC. A complement of this color would be 79, 14.935, 12.471, and the grayscale version is 85, 0.010, 296.813.

A 20% lighter version of the original color is 99, 3.799, 199.339, and 67, 13.857, 189.037 is the 20% darker color. If you saturate the color by 10%, you get 86, 20.969, 188.820, and if you desaturate by 10%, it is 89, 5.866, 190.471.

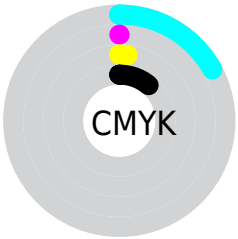
Distribution



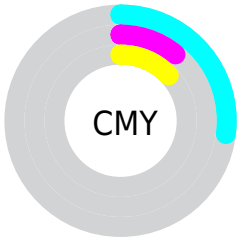
- Red (73%)
- Green (89%)
- Blue (87%)



- Red (73%)
- Yellow (82%)
- Blue (89%)



- Cyan (17%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)



- Cyan (27%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 13.641, 189.637 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, 13.641, 189.637 by changing the saturation by 10% instead.

87, 13.641, 189.637

100, 13.641, 189.637

87, 13.641, 189.637

77, 13.641, 189.637

67, 13.641, 189.637

57, 13.641, 189.637

47, 13.641, 189.637

37, 13.641, 189.637

27, 13.641, 189.637

17, 13.641,

189.637

7, 13.641, 189.637

0, 13.641, 189.637

87, 13.641, 189.637

87, 13.641, 189.637

86, 20.969, 188.820

89, 5.866, 190.471

84, 27.711, 187.999

90, 2.233, 10.882

92, 10.546, 11.852

83, 33.731, 187.157

92, 10.961, 5.859

83, 38.908, 186.280

92, 11.284, 359.968

82, 43.146,

92, 11.723,

185.353

82, 46.398, 184.358

81, 48.680, 183.277

81, 50.102, 182.097

81, 50.418, 181.770

354.468

92, 12.265, 349.416

92, 12.896, 344.834

93, 13.605, 340.713

Harmonies

Complementary

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

87, 13.641, 189.637

79, 14.935, 12.471

Rectangle

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

87, 13.641, 189.637

87, 13.641, 239.637

87, 13.641, 9.637

87, 13.641, 59.637

Sweetspot

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

87, 13.642, 189.631

99, 4.467, 190.690

86, 24.059, 140.321

53, 3.044, 190.617

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, 13.642, 189.631

96, 18.132, 189.317

83, 11.224, 243.914

46, 4.538, 190.280

65, 41.779, 181.985

17, 16.849, 184.139

Inverse Universe

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

79, 14.935, 12.471

86, 20.289, 12.909

83, 12.137, 60.168

44, 4.762, 11.660

36, 74.813, 35.544

6, 25.343, 16.612

Previews

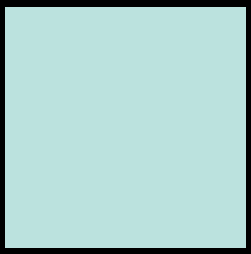
White Background

This preview shows how the CIELCh color 87, 13.641, 189.637 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



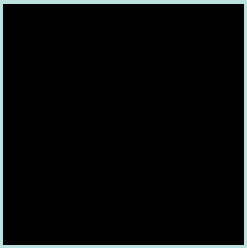
This preview shows how the CIELCh color 87, 13.641, 189.637 looks on a black background.

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, 13.641, 189.637 Background



This preview shows how black text looks on a background with the CIELCh color 87, 13.641, 189.637.

This preview shows how white text looks on a background with the CIELCh color 87, 13.641, 189.637.

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, 13.641, 189.637

Protanopia
87, 1.809, 19.213

Deuteranopia
87, 11.368, 340.175

Tritanopia
87, 14.231, 240.508

Trichromacy

Original Color
87, 13.641, 189.637

Protanomaly
87, 4.068, 184.348

Deuteranomaly
87, 4.219, 295.369

Tritanomaly
87, 12.757, 223.045

Monochromacy

Original Color
87, 13.641, 189.637

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 5.003, 193.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 13.641, 189.637 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(187, 226, 222) looks like.

```
.text, #text, p{
    color:rgb(187, 226, 222)
}
```

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(187, 226, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 226, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 13.641, 189.637 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(187, 226, 222) }
```

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

```
.border{ border-color:rgb(187, 226, 222) }
```

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

Here you see how a box with a 4 pixel rgb(187, 226, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 226, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 226, 222); box-shadow:4px 4px 4px 4px rgb(187, 226, 222) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 13.641, 189.637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(187, 226, 222) }
```

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

```
.background{ background-color:rgb(187,
226, 222) }
```

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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