

Converting Colors

CIELCh(87, 12.965, 203.222)

Have a look what the booklet for
CIELCh(87, 12.965, 203.222)
contains.

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Color

CIELCh(87, 12.965, 203.222)

Conversions

Conversions Part 1

Format	Color
Hex	BBE1E3
RGB	187, 225, 227
RGB Percent	73%, 88%, 89%
CMY	0.2664, 0.1174, 0.1096
CMYK	0.18, 0.01, 0.00, 0.11
HSL	183°, 42%, 81%
HSV	183°, 18%, 89%
XYZ	61.3244, 70.0064, 82.9991
YIQ	213.8660, -23.2900, -7.4340

Conversions

Conversions Part 2

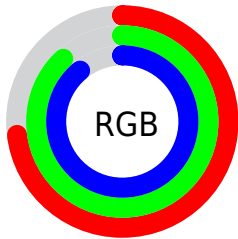
Format	Color
R _Y B	187, 206, 227
Decimal	12313059
CIE Lab	87.00, -11.91, -5.11
CIE LCh	87, 12.965, 203.222
Yxy	70.0064, 0.2861, 0.3266
Android (android.graphics.Color)	4290503139 (0xFFBBE1E3)
YUV	213.8660, 6.4751, -23.5615
Hunter-Lab	83.6698, -15.5937, -0.2458

Details

The CIELCh color `87, 12.965, 203.222` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `80, 14.585, 24.669`, and the grayscale version is `86, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 3.799, 199.339`, and `67, 13.095, 203.216` is the 20% darker color. If you saturate the color by 10%, you get `85, 19.633, 202.946`, and if you desaturate by 10%, it is `89, 5.766, 203.598`.

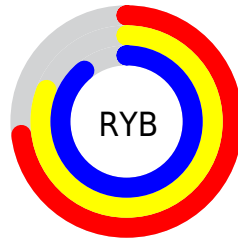
Distribution



Red (73%)

Green (88%)

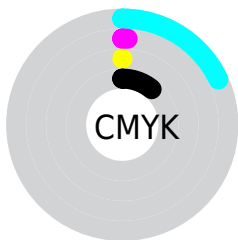
Blue (89%)



Red (73%)

Yellow (81%)

Blue (89%)

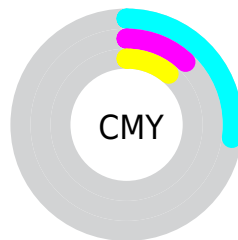


Cyan (18%)

Magenta (1%)

Yellow (0%)

Black (11%)



Cyan (27%)


Magenta (12%)


Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 12.965, 203.222 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, 12.965, 203.222 by changing the saturation by 10% instead.


 87, 12.965,
203.222


 87, 12.965,
203.222


 100, 12.965,
203.222


 77, 12.965,
203.222

 67, 12.965,
203.222

 57, 12.965,
203.222

 47, 12.965,
203.222

 37, 12.965,
203.222

 27, 12.965,
203.222

 17, 12.965,

203.222

■ 7, 12.965, 203.222

■ 0, 12.965, 203.222

■ 87, 12.965,
203.222

■ 87, 12.965,
203.222

■ 85, 19.633,
202.946

■ 89, 5.766, 203.598

■ 84, 25.642,
202.776

■ 91, 1.846, 23.544

■ 83, 30.869,
202.715

■ 93, 9.697, 24.265

■ 82, 35.203,
202.779

■ 93, 9.348, 27.964

■ 81, 38.567,

■ 93, 9.042, 31.930

■ 94, 8.782, 36.152

202.987

94, 8.573, 40.603

80, 40.928,
203.354

94, 8.420, 45.245

79, 42.316,
203.893

94, 8.324, 50.023

79, 42.853,
204.606

79, 42.923,
204.788

Harmonies

Complementary

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



87, 12.965, 203.222



80, 14.585, 24.669

Rectangle

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



87, 12.965, 203.222



87, 12.965, 253.222



87, 12.965, 23.222



87, 12.965, 73.222

Sweetspot

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



87, 12.966, 203.214



99, 4.185, 203.746



87, 25.033, 144.226



53, 2.850, 203.700



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, 12.966, 203.214



96, 16.788, 203.109



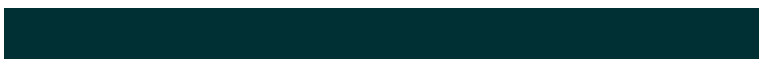
82, 12.812, 261.485



47, 4.316, 203.513



63, 35.887, 204.648



17, 15.201, 203.294

Inverse Universe

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



80, 24.777, 326.787



87, 32.471, 326.988



85, 13.286, 76.686



45, 8.029, 326.315



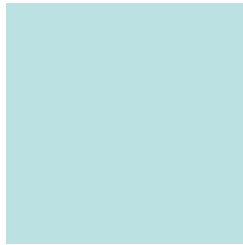
42, 85.042, 330.317



8, 35.903, 329.981

Previews

White Background



This preview shows how the CIELCh color 87, 12.965, 203.222 looks on a white background.

Color Contrast Check

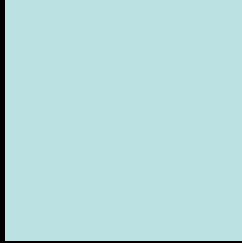
Large Text (above 18pt) WCAG AA × Fail

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, 12.965, 203.222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

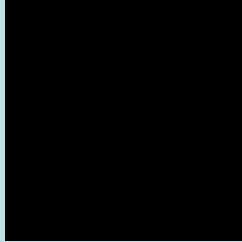
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

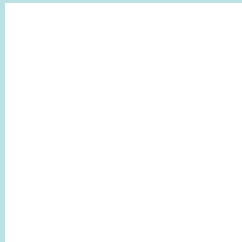
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 12.965, 203.222

Background



This preview shows how black text looks on a background with the CIELCh color 87, 12.965, 203.222.



This preview shows how white text looks on a background with the CIELCh color 87, 12.965, 203.222.

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](#).

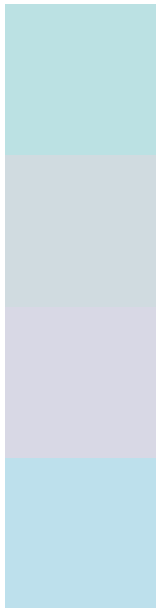
Dichromacy





Tritanopia
87, 14.231, 240.508

Trichromacy



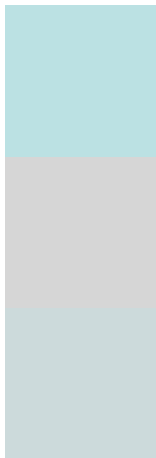
Original Color
87, 12.965, 203.222

Protanomaly
87, 4.631, 233.785

Deuteranomaly
87, 6.817, 290.757

Tritanomaly
87, 13.146, 227.403

Monochromacy



Original Color
87, 12.965, 203.222

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 4.966, 205.248

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 12.965, 203.222 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, 225, 227)` looks like.

```
.text, #text, p{  
    color:rgb(187, 225, 227)  
}
```

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, 225, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 225, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 12.965, 203.222 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, 225, 227) }
```

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

```
.border{ border-color:rgb(187, 225, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 225, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 225, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 225, 227);  
box-shadow:4px 4px 4px 4px rgb(187, 225,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 12.965, 203.222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 225, 227) }
```

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

```
.background{ background-color: rgb(187,  
225, 227) }
```

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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