

Converting Colors

CIELCh(87, 8.715, 157.547)

Have a look what the booklet for
CIELCh(87, 8.715, 157.547) contains.

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Color

CIELCh(87, 8.708, 157.550)

Conversions

Conversions Part 1

Format	Color
Hex	CCDED3
RGB	204, 222, 211
RGB Percent	80%, 87%, 83%
CMY	0.1988, 0.1282, 0.1713
CMYK	0.08, 0.00, 0.05, 0.13
HSL	143°, 22%, 84%
HSV	143°, 8%, 87%
XYZ	62.9856, 70.0064, 72.0227
YIQ	215.3640, -7.1970, -7.2370

Conversions

Conversions Part 2

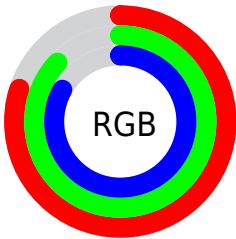
Format	Color
RYB	204, 217, 222
Decimal	13426387
CIELab	87.00, -8.05, 3.33
CIELCh	87, 8.708, 157.550
Yxy	70.0064, 0.3072, 0.3415
Android (android.graphics.Color)	4291616467 (0xFFCCDED3)
YUV	215.3640, -2.1515, -9.9662
Hunter-Lab	83.6698, -12.0496, 7.5323

Details

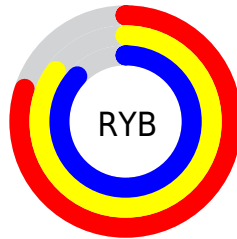
The CIELCh color $87, 8.708, 157.550$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $84, 8.772, 338.672$, and the grayscale version is $86, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $67, 8.533, 158.446$ is the 20% darker color. If you saturate the color by 10%, you get $85, 19.509, 156.680$, and if you desaturate by 10%, it is $89, 2.042, 338.053$.

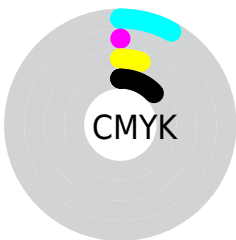
Distribution



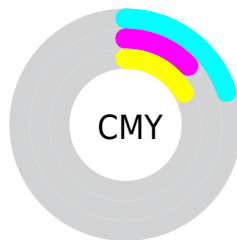
- Red (80%)
- Green (87%)
- Blue (83%)



- Red (80%)
- Yellow (85%)
- Blue (87%)



- Cyan (8%)
- Magenta (0%)
- Yellow (5%)
- Black (13%)



- Cyan (20%)
- Magenta (13%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 8.708, 157.550 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, 8.708, 157.550 by changing the saturation by 10% instead.

87, 8.708, 157.550

87, 8.708, 157.550

100, 8.708,
157.550

77, 8.708, 157.550

67, 8.708, 157.550

57, 8.708, 157.550

47, 8.708, 157.550

37, 8.708, 157.550

27, 8.708, 157.550

17, 8.708, 157.550

7, 8.708, 157.550

0, 8.708, 157.550

87, 8.708, 157.550

87, 8.708, 157.550

85, 19.509,
156.680

89, 2.042, 338.053

84, 30.226,
155.717

91, 12.647,
338.885

82, 40.702,
154.624

92, 19.239,
327.685

81, 50.752,
153.374

92, 20.453,
325.136

80, 60.182,
151.944

79, 68.810,
150.316

79, 76.487,
148.484

78, 83.129,
146.463

■ 78, 88.761,
144.321

Harmonies

Complementary

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



87, 8.708, 157.550



84, 8.772, 338.672

Rectangle

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



87, 8.708, 157.550



87, 8.708, 207.550



87, 8.708, 337.550



87, 8.708, 27.550

Sweetspot

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



87, 8.710, 157.547



100, 2.390, 158.150



88, 9.727, 124.496



53, 1.359, 158.167



0, 0.000, 0.000



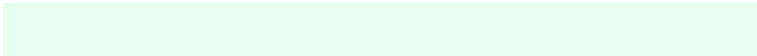
53, 0.007, 296.813

Same Dimension

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



87, 8.710, 157.547



98, 12.028, 157.379



87, 6.467, 189.242



46, 6.156, 157.432



63, 74.761, 144.298



16, 27.976, 148.649

Inverse Universe

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



84, 8.772, 338.672



94, 12.126, 338.834



84, 6.731, 10.405



44, 6.204, 338.783



38, 66.541, 351.822



7, 27.863, 346.851

Previews

White Background



This preview shows how the CIELCh color 87, 8.708, 157.550 looks on a white background.

Color Contrast Check

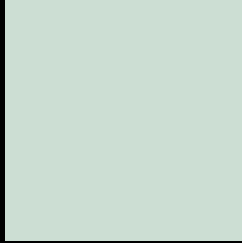
Large Text (above 18pt) WCAG AA × Fail

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, 8.708, 157.550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

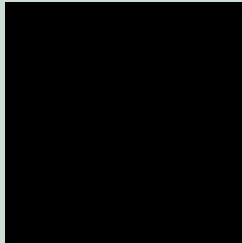
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

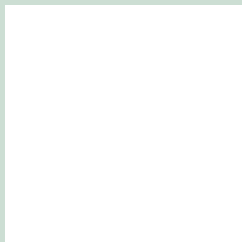
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 8.708, 157.550

Background



This preview shows how black text looks on a background with the CIELCh color 87, 8.708, 157.550.

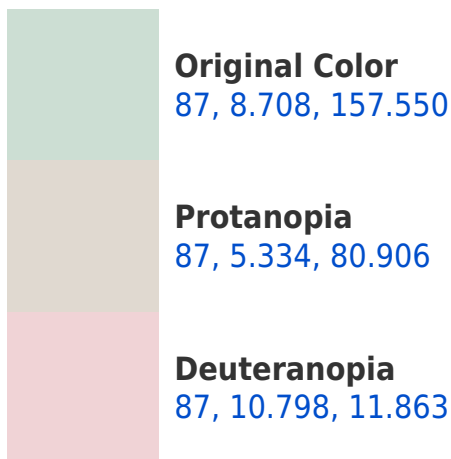


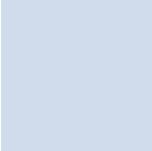
This preview shows how white text looks on a background with the CIELCh color 87, 8.708, 157.550.

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, 9.589, 267.724

Trichromacy



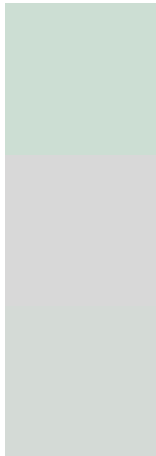
Original Color
87, 8.708, 157.550

Protanomaly
87, 5.268, 117.689

Deuteranomaly
87, 4.500, 32.978

Tritanomaly
87, 5.776, 238.690

Monochromacy



Original Color
87, 8.708, 157.550

Achromatopsia
86, 0.010, 296.813

Achromatomaly
87, 3.020, 155.597

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 8.708, 157.550 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(204, 222, 211)` looks like.

```
.text, #text, p{  
    color:rgb(204, 222, 211)  
}
```

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(204, 222, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 222, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 8.708, 157.550 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(204, 222, 211) }
```

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

```
.border{ border-color:rgb(204, 222, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 222, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 222, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 222, 211);  
box-shadow:4px 4px 4px 4px rgb(204, 222,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 8.708, 157.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 222, 211) }
```

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

```
.background{ background-color: rgb(204,  
222, 211) }
```

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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