

Converting Colors

CIELCh(87, 9.738, 160.971)

Have a look what the booklet for
CIELCh(87, 9.738, 160.971) contains.

CIELCh(87, 9.524, 161.662)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(87, 9.524, 161.662)

Conversions

Conversions Part 1

Format	Color
Hex	CADFD4
RGB	202, 223, 212
RGB Percent	79%, 87%, 83%
CMY	0.2083, 0.1259, 0.1690
CMYK	0.09, 0.00, 0.05, 0.13
HSL	149°, 25%, 83%
HSV	149°, 9%, 87%
XYZ	62.5564, 70.0064, 72.4313
YIQ	215.4670, -8.9850, -7.8730

Conversions

Conversions Part 2

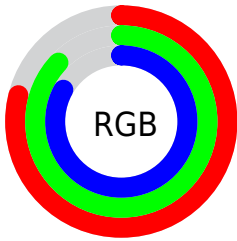
Format	Color
R_{YB}	202, 216, 223
Decimal	13295572
CIE _{Lab}	87.00, -9.04, 3.00
CIE _{LCh}	87, 9.524, 161.662
Yxy	70.0064, 0.3052, 0.3415
Android (android.graphics.Color)	4291485652 (0xFFCADFD4)
YUV	215.4670, -1.7092, -11.8106
Hunter-Lab	83.6698, -12.9652, 7.2427

Details

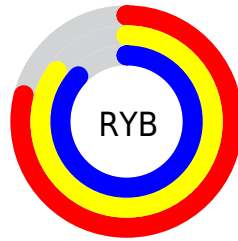
The CIELCh color $87, 9.524, 161.662$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $83, 9.636, 343.114$, and the grayscale version is $86, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $67, 9.752, 160.137$ is the 20% darker color. If you saturate the color by 10%, you get $85, 19.630, 160.725$, and if you desaturate by 10%, it is $89, 0.590, 341.701$.

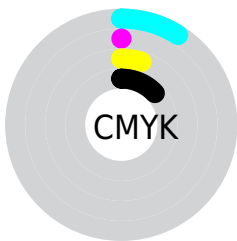
Distribution



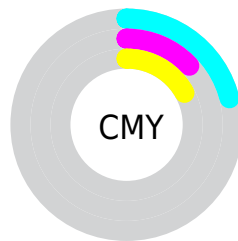
- Red (79%)
- Green (87%)
- Blue (83%)



- Red (79%)
- Yellow (85%)
- Blue (87%)



- Cyan (9%)
- Magenta (0%)
- Yellow (5%)
- Black (13%)



- Cyan (21%)
- Magenta (13%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 9.524, 161.662 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, 9.524, 161.662 by changing the saturation by 10% instead.



87, 9.524, 161.662

87, 9.524, 161.662

85, 19.630,
160.725

89, 0.590, 341.701

84, 29.594,
159.697

91, 10.617,
343.132

82, 39.262,
158.541

92, 16.862,
333.209

81, 48.465,
157.232

92, 20.088,
325.123

80, 57.028,
155.743

80, 64.795,
154.053

79, 71.656,
152.150

79, 77.573,
150.041

■ 78, 82.653,
147.799

Harmonies

Complementary

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



87, 9.524, 161.662



83, 9.636, 343.114

Rectangle

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



87, 9.524, 161.662



87, 9.524, 211.662



87, 9.524, 341.662



87, 9.524, 31.662

Sweetspot

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



87, 9.526, 161.658



99, 3.372, 162.288



88, 11.535, 127.476



53, 2.558, 162.192



0, 0.000, 0.000



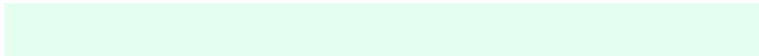
53, 0.007, 296.813

Same Dimension

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



87, 9.526, 161.658



98, 12.407, 161.507



87, 7.377, 196.116



46, 5.772, 161.656



63, 68.938, 148.065



17, 25.881, 152.537

Inverse Universe

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



83, 9.636, 343.114



93, 12.570, 343.264



83, 7.802, 17.233



44, 5.839, 343.117



38, 64.485, 359.593



6, 26.687, 352.951

Previews

White Background



This preview shows how the CIELCh color 87, 9.524, 161.662 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, 9.524, 161.662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

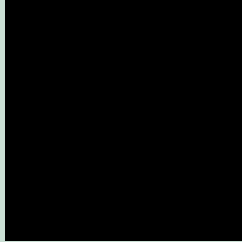
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

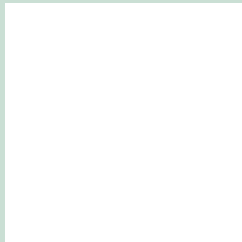
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 9.524, 161.662

Background



This preview shows how black text looks on a background with the CIELCh color 87, 9.524, 161.662.

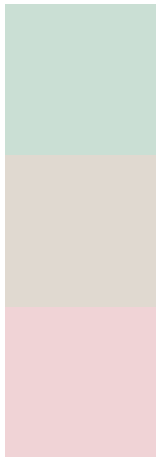


This preview shows how white text looks on a background with the CIELCh color 87, 9.524, 161.662.

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, 9.524, 161.662

Protanopia
87, 5.334, 80.906

Deuteranopia
87, 10.798, 11.863



Tritanopia
87, 10.324, 265.465

Trichromacy



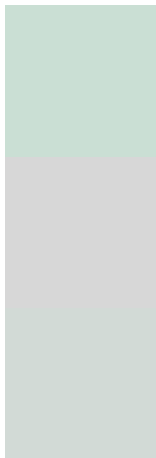
Original Color
87, 9.524, 161.662

Protanomaly
87, 5.336, 121.554

Deuteranomaly
87, 4.142, 34.130

Tritanomaly
87, 6.619, 238.537

Monochromacy



Original Color
87, 9.524, 161.662

Achromatopsia
86, 0.010, 296.813

Achromatomaly
86, 3.574, 163.473

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 9.524, 161.662 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(202, 223, 212)` looks like.

```
.text, #text, p{  
    color:rgb(202, 223, 212)  
}
```

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(202, 223, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 223, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 9.524, 161.662 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(202, 223, 212) }
```

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

```
.border{ border-color:rgb(202, 223, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 223, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 223, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 223, 212);  
box-shadow:4px 4px 4px 4px rgb(202, 223,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 9.524, 161.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 223, 212) }
```

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

```
.background{ background-color: rgb(202,  
223, 212) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor