

Converting Colors

CIELCh(87, 61.898, 165.824)

Have a look what the booklet for
CIELCh(87, 61.898, 165.824)
contains.

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Color

CIELCh(87, 62.038, 165.751)

Conversions

Conversions Part 1

Format	Color
Hex	2EF6BB
RGB	46, 246, 187
RGB Percent	18%, 96%, 73%
CMY	0.8204, 0.0357, 0.2670
CMYK	0.81, 0.00, 0.24, 0.04
HSL	162°, 92%, 57%
HSV	162°, 81%, 96%
XYZ	42.9997, 70.0064, 58.2046
YIQ	179.4740, -100.2610, -60.7490

Conversions

Conversions Part 2

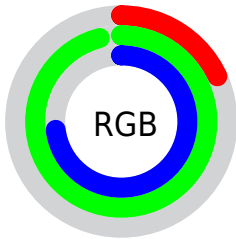
Format	Color
RYB	46, 163, 246
Decimal	3077819
CIELab	87.00, -60.13, 15.27
CIELCh	87, 62.038, 165.751
Yxy	70.0064, 0.2512, 0.4089
Android (android.graphics.Color)	4281267899 (0xFF2EF6BB)
YUV	179.4740, 3.7103, -117.0567
Hunter-Lab	83.6698, -54.6872, 17.3240

Details

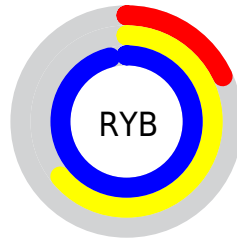
The CIELCh color **87, 62.038, 165.751** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **55, 76.993, 13.008**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.957, 187.758**, and **68, 55.299, 162.857** is the 20% darker color. If you saturate the color by 10%, you get **87, 65.953, 163.720**, and if you desaturate by 10%, it is **88, 57.166, 167.577**.

Distribution



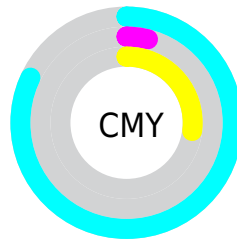
- Red (18%)
- Green (96%)
- Blue (73%)



- Red (18%)
- Yellow (64%)
- Blue (96%)



- Cyan (81%)
- Magenta (0%)
- Yellow (24%)
- Black (4%)





- Cyan (82%)
- Magenta (4%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 62.038, 165.751 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, 62.038, 165.751 by changing the saturation by 10% instead.


 87, 62.038,
165.751


 87, 62.038,
165.751


 100, 62.038,
165.751


 77, 62.038,
165.751

 67, 62.038,
165.751

 57, 62.038,
165.751

 47, 62.038,
165.751

 37, 62.038,
165.751

 27, 62.038,
165.751

 17, 62.038,

165.751

■ 7, 62.038, 165.751

■ 0, 62.038, 165.751

■ 87, 62.038,
165.751

■ 87, 62.038,
165.751

■ 87, 65.953,
163.720

■ 88, 57.166,
167.577

■ 86, 68.727,
161.849


■ 88, 51.305,
169.211


■ 89, 44.511,
170.672

■ 90, 36.896,
171.987

■ 92, 28.609,

173.181

 93, 19.810,
174.278

 95, 10.658,
175.308

 97, 1.291, 176.627

 98, 4.546, 334.972

Harmonies

Complementary

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



87, 62.038, 165.751



55, 76.993, 13.008

Rectangle

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



87, 62.038, 165.751



87, 62.038, 215.751



87, 62.038, 345.751



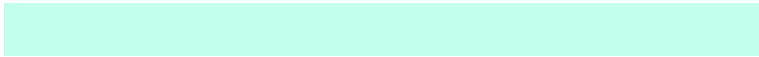
87, 62.038, 35.751

Sweetspot

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



87, 62.038, 165.750



96, 22.822, 173.993



87, 103.146, 132.304



50, 15.589, 173.603



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, 62.038, 165.750



89, 70.056, 162.235



77, 40.594, 229.657



50, 5.314, 175.501



67, 55.409, 162.257



21, 23.443, 165.545

Inverse Universe

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



55, 76.993, 13.008



54, 87.625, 21.711



58, 80.658, 42.561



48, 5.465, 357.170



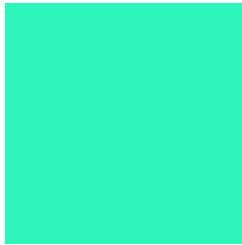
39, 69.406, 21.610



9, 29.689, 11.543

Previews

White Background



This preview shows how the CIE LCh color 87, 62.038, 165.751 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, 62.038, 165.751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

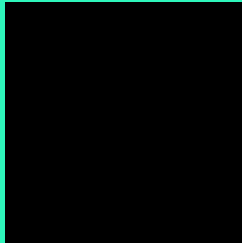
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 87, 62.038, 165.751

Background



This preview shows how black text looks on a background with the CIELCh color 87, 62.038, 165.751.

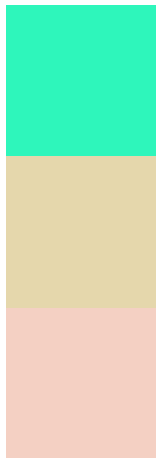


This preview shows how white text looks on a background with the CIELCh color 87, 62.038, 165.751.

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, 62.038, 165.751

Protanopia
86, 23.067, 94.506

Deuteranopia
86, 15.379, 46.317

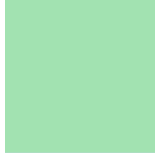


Tritanopia
87, 38.371, 212.339

Trichromacy



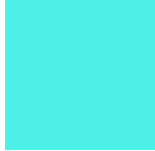
Original Color
87, 62.038, 165.751



Protanomaly
85, 34.737, 149.582



Deuteranomaly
84, 24.032, 156.771

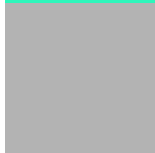


Tritanomaly
87, 44.335, 189.701

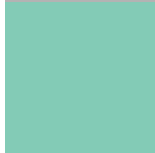
Monochromacy



Original Color
87, 62.038, 165.751



Achromatopsia
73, 0.009, 296.813



Achromatomaly
77, 27.410, 172.976

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 62.038, 165.751 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(46, 246, 187)` looks like.

```
.text, #text, p{  
    color:rgb(46, 246, 187)  
}
```

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(46, 246, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 246, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 62.038, 165.751 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(46, 246, 187) }
```

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

```
.border{ border-color:rgb(46, 246, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 246, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 246, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 246, 187);  
box-shadow:4px 4px 4px 4px rgb(46, 246,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 62.038, 165.751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 246, 187) }
```

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

```
.background{ background-color: rgb(46, 246,  
187) }
```

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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