

Converting Colors

CIELCh(77, 32.655, 157.521)

Have a look what the booklet for
CIELCh(77, 32.655, 157.521)
contains.

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Color

CIELCh(77, 32.828, 157.564)

Conversions

Conversions Part 1

Format	Color
Hex	87CDA6
RGB	135, 205, 166
RGB Percent	53%, 80%, 65%
CMY	0.4708, 0.1963, 0.3492
CMYK	0.34, 0.00, 0.19, 0.20
HSL	147°, 41%, 67%
HSV	147°, 34%, 80%
XYZ	38.6776, 51.5317, 43.9576
YIQ	179.6240, -29.2010, -26.9690

Conversions

Conversions Part 2

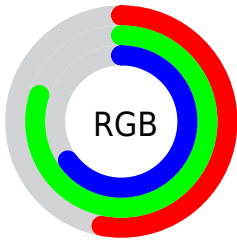
Format	Color
RYB	135, 184, 205
Decimal	8900006
CIELab	77.00, -30.34, 12.53
CIElCh	77, 32.828, 157.564
Yxy	51.5317, 0.2883, 0.3841
Android (android.graphics.Color)	4287090086 (0xFF87CDA6)
YUV	179.6240, -6.7166, -39.1352
Hunter-Lab	71.7856, -29.4502, 13.9439

Details

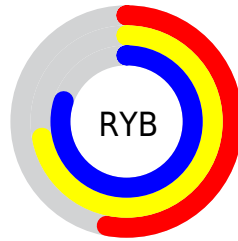
The CIELCh color **77, 32.828, 157.564** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **64, 33.836, 343.725**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.646, 160.135**, and **57, 32.642, 157.680** is the 20% darker color. If you saturate the color by 10%, you get **76, 41.964, 156.361**, and if you desaturate by 10%, it is **78, 23.359, 158.624**.

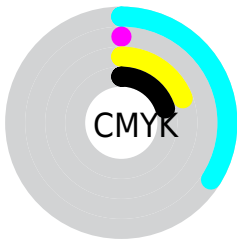
Distribution



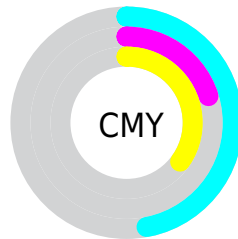
- Red (53%)
- Green (80%)
- Blue (65%)



- Red (53%)
- Yellow (72%)
- Blue (80%)



- Cyan (34%)
- Magenta (0%)
- Yellow (19%)
- Black (20%)



- Cyan (47%)
- Magenta (20%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 32.828, 157.564 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 77, 32.828, 157.564 by changing the saturation by 10% instead.

 77, 32.828,
157.564

 77, 32.828,
157.564


 100, 32.828,
157.564


 67, 32.828,
157.564


 97, 32.828,
157.564

 57, 32.828,
157.564

 47, 32.828,
157.564

 37, 32.828,
157.564

 27, 32.828,
157.564

 17, 32.828,
157.564

 7, 32.828, 157.564

■ 0, 32.828, 157.564

■ 77, 32.828,
157.564

■ 77, 32.828,
157.564

■ 76, 41.964,
156.361

■ 78, 23.359,
158.624

■ 75, 50.597,
154.993

■ 80, 13.709,
159.570

■ 74, 58.565,
153.436

■ 82, 4.011, 160.473

■ 84, 5.629, 341.054

■ 73, 65.730,
151.673

■ 86, 15.128,
341.776

■ 73, 72.006,
149.703

■ 87, 23.628,
340.688

■ 73, 77.382,
147.549

■ 88, 27.692,

■ 72, 80.211,
146.282

331.141

■ 88, 31.389,
325.517

Harmonies

Complementary

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



77, 32.828, 157.564



64, 33.836, 343.725

Rectangle

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



77, 32.828, 157.564



77, 32.828, 207.564



77, 32.828, 337.564



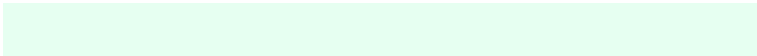
77, 32.828, 27.564

Sweetspot

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



77, 32.829, 157.563



98, 11.556, 159.928



79, 38.593, 125.036



52, 7.887, 159.803



0, 0.000, 0.000



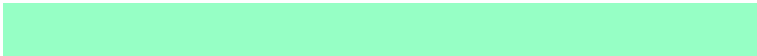
53, 0.007, 296.813

Same Dimension

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



77, 32.829, 157.563



93, 46.690, 156.693



78, 23.399, 191.515



42, 5.468, 159.993



60, 67.963, 146.651



12, 22.352, 152.930

Inverse Universe

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



64, 33.836, 343.725



75, 48.326, 344.548



63, 28.753, 17.388



40, 5.522, 341.394



36, 62.333, 356.366



4, 20.554, 349.908

Previews

White Background



This preview shows how the CIELCh color 77, 32.828, 157.564 looks on a white background.

Color Contrast Check

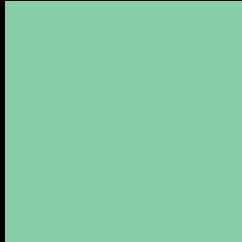
Large Text (above 18pt) WCAG AA × Fail

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 77, 32.828, 157.564 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 77, 32.828, 157.564

Background



This preview shows how black text looks on a background with the CIELCh color 77, 32.828, 157.564.

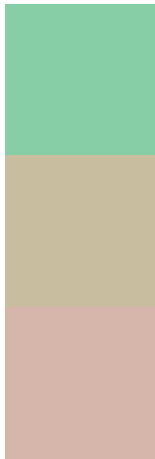


This preview shows how white text looks on a background with the CIELCh color 77, 32.828, 157.564.

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
77, 32.828, 157.564

Protanopia
77, 17.124, 93.881

Deuteranopia
76, 13.875, 45.256

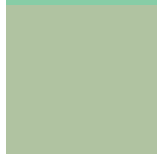


Tritanopia
77, 19.002, 225.374

Trichromacy



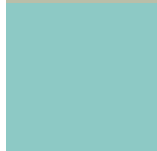
Original Color
77, 32.828, 157.564



Protanomaly
77, 19.598, 130.341



Deuteranomaly
76, 11.416, 118.763



Tritanomaly
77, 20.444, 191.818

Monochromacy



Original Color
77, 32.828, 157.564



Achromatopsia
73, 0.009, 296.813



Achromatomaly
74, 12.018, 159.520

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 32.828, 157.564 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(135, 205, 166)` looks like.

```
.text, #text, p{  
    color:rgb(135, 205, 166)  
}
```

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(135, 205, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 205, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 32.828, 157.564 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(135, 205, 166) }
```

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

```
.border{ border-color:rgb(135, 205, 166) }
```

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

Here you see how a box with a 4 pixel rgb(135, 205, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 205, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 205, 166);  
box-shadow:4px 4px 4px 4px rgb(135, 205,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 32.828, 157.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 205, 166) }
```

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

```
.background{ background-color: rgb(135,  
205, 166) }
```

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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