Converting Colors

CIELCh(77, 38.503, 143.686)

Have a look what the booklet for CIELCh(77, 38.503, 143.686) contains.

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Color

CIELCh(77, 38.503, 143.686)

Conversions

Conversions Part 1

Format	Color
Hex	90CD93
RGB	144, 205, 147
RGB Percent	56%, 80%, 58%
CMY	0.4364, 0.1972, 0.4246
CMYK	0.30, 0.00, 0.28, 0.20
HSL	123°, 38%, 68%
HSV	123°, 30%, 80%
XYZ	38.4644, 51.5317, 35.4148
YIQ	180.1490, -17.7380, -30.9700

Conversions

Conversions Part 2

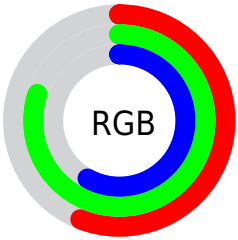
Format	Color
RYB	144, 202, 205
Decimal	9489811
CIELab	77.00, -31.03, 22.80
CIELCh	77, 38.503, 143.686
Yxy	51.5317, 0.3067, 0.4109
Android (android.graphics.Color)	4287679891 (0xFF90CD93)
YUV	180.1490, -16.3425, -31.7027
Hunter-Lab	71.7856, -29.9803, 20.9997

Details

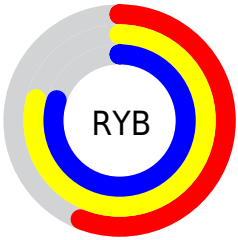
The CIELCh color 77, 38.503, 143.686 is a light color, and the websafe version is hex 99CC99. A complement of this color would be 67, 38.511, 327.449, and the grayscale version is 73, 0.009, 296.813.

A 20% lighter version of the original color is 95, 34.262, 143.946, and 57, 38.321, 143.858 is the 20% darker color. If you saturate the color by 10%, you get 76, 51.121, 142.734, and if you desaturate by 10%, it is 79, 25.588, 144.511.

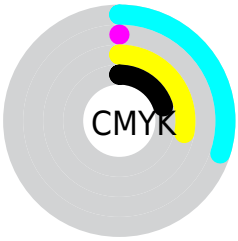
Distribution



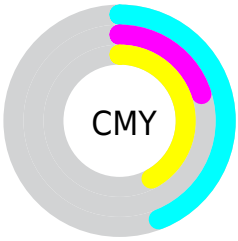
- Red (56%)
- Green (80%)
- Blue (58%)



- Red (56%)
- Yellow (79%)
- Blue (80%)



- Cyan (30%)
- Magenta (0%)
- Yellow (28%)
- Black (20%)



- Cyan (44%)
- Magenta (20%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 38.503, 143.686 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, 38.503, 143.686 by changing the saturation by 10% instead.

77, 38.503, 143.686

100, 38.503, 143.686

97, 38.503, 143.686

77, 38.503, 143.686

67, 38.503, 143.686

57, 38.503, 143.686

47, 38.503, 143.686

37, 38.503, 143.686

27, 38.503, 143.686

17, 38.503, 143.686

7, 38.503, 143.686

0, 38.503, 143.686

77, 38.503, 143.686

76, 51.121, 142.734

74, 63.140, 141.653

74, 74.204, 140.466

73, 83.897, 139.227

72, 91.766, 138.035

72, 97.388, 137.025

77, 38.503, 143.686

79, 25.588, 144.511

80, 12.603, 145.225

82, 0.273, 324.797

85, 12.916, 326.286

87, 25.243, 326.728

88, 31.528, 325.522

72, 100.599, 136.374

72, 100.644, 136.367

Harmonies

Complementary

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

77, 38.503, 143.686

67, 38.511, 327.449

Rectangle

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

77, 38.503, 143.686

77, 38.503, 193.686

77, 38.503, 323.686

77, 38.503, 13.686

Sweetspot

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

77, 38.505, 143.686

98, 13.836, 145.270

81, 31.922, 108.773

52, 9.624, 145.171

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, 38.505, 143.686

93, 55.421, 143.066

78, 26.732, 162.678

42, 7.277, 145.251

59, 85.808, 136.470

12, 28.007, 143.730

Inverse Universe

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

67, 38.511, 327.449

79, 55.364, 327.814

66, 27.913, 348.354

40, 7.289, 326.291

39, 80.562, 330.278

5, 27.915, 329.139

Previews

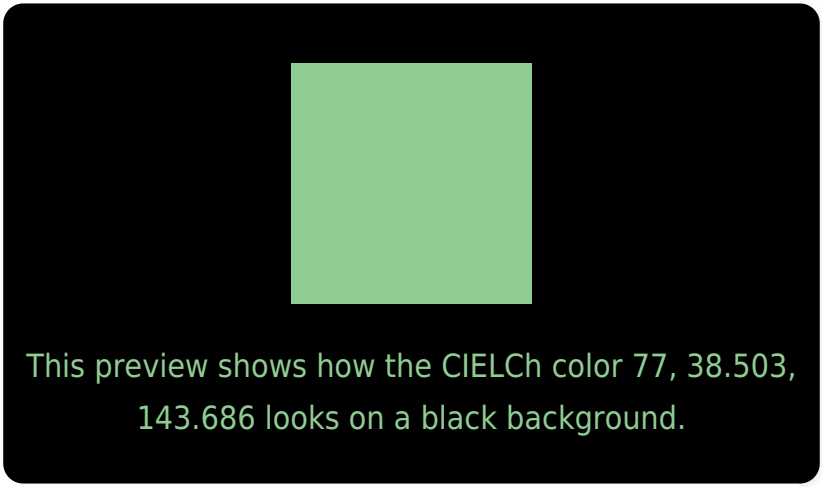
White Background

This preview shows how the CIELCh color 77, 38.503, 143.686 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



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, 38.503, 143.686

Background

This preview shows how black text looks on a background with the CIELCh color 77, 38.503, 143.686.

This preview shows how white text looks on a background with the CIELCh color 77, 38.503, 143.686.

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, 38.503, 143.686

Protanopia
77, 26.719, 95.344

Deuteranopia
77, 22.762, 64.573

Tritanopia
77, 15.640, 232.116

Trichromacy

Original Color
77, 38.503, 143.686

Protanomaly
77, 28.640, 118.787

Deuteranomaly
76, 21.353, 104.947

Tritanomaly
77, 17.692, 178.495

Monochromacy

Original Color
77, 38.503, 143.686

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 14.091, 144.996

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 38.503, 143.686 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(144, 205, 147) looks like.

```
.text, #text, p{
    color:rgb(144, 205, 147)
}
```

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(144, 205, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 205, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 38.503, 143.686 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(144, 205, 147) }
```

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

```
.border{ border-color:rgb(144, 205, 147) }
```

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

Here you see how a box with a 4 pixel rgb(144, 205, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 205, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 205, 147); box-shadow:4px 4px 4px 4px rgb(144, 205, 147) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 38.503, 143.686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(144, 205, 147) }
```

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

```
.background{ background-color:rgb(144, 205, 147) }
```

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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