

Converting Colors

CIELCh(77, 39.988, 142.262)

Have a look what the booklet for
CIELCh(77, 39.988, 142.262)
contains.

CIELCh(77, 39.810, 142.372)	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(77, 39.810, 142.372)

Conversions

Conversions Part 1

Format	Color
Hex	90CD90
RGB	144, 205, 144
RGB Percent	56%, 80%, 56%
CMY	0.4358, 0.1965, 0.4357
CMYK	0.30, 0.00, 0.30, 0.20
HSL	120°, 38%, 68%
HSV	120°, 30%, 80%
XYZ	38.3074, 51.5317, 34.2662
YIQ	179.8070, -16.7750, -31.9030

Conversions

Conversions Part 2

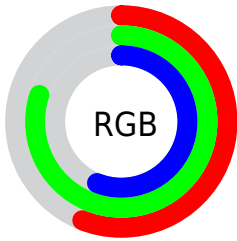
Format	Color
RYB	144, 205, 205
Decimal	9489808
CIELab	77.00, -31.53, 24.31
CIELCh	77, 39.810, 142.372
Yxy	51.5317, 0.3087, 0.4152
Android (android.graphics.Color)	4287679888 (0xFF90CD90)
YUV	179.8070, -17.6529, -31.4027
Hunter-Lab	71.7856, -30.3708, 21.9484

Details

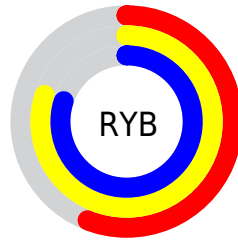
The CIELCh color $77, 39.810, 142.372$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $67, 39.806, 326.050$, and the grayscale version is $73, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 35.528, 142.534$, and $57, 39.676, 142.455$ is the 20% darker color. If you saturate the color by 10%, you get $76, 52.837, 141.438$, and if you desaturate by 10%, it is $79, 26.453, 143.185$.

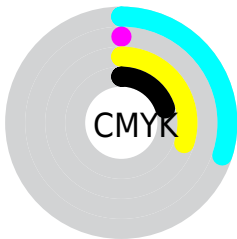
Distribution



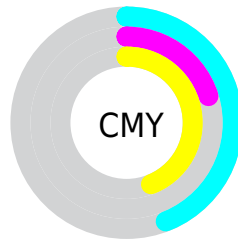
- Red (56%)
- Green (80%)
- Blue (56%)



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



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 39.810, 142.372 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, 39.810, 142.372 by changing the saturation by 10% instead.


 77, 39.810,
142.372

 77, 39.810,
142.372


 100, 39.810,
142.372


 67, 39.810,
142.372


 97, 39.810,
142.372

 57, 39.810,
142.372

 47, 39.810,
142.372

 37, 39.810,
142.372

 27, 39.810,
142.372

 17, 39.810,
142.372

 7, 39.810, 142.372

0, 39.810, 142.372

77, 39.810,
142.372

77, 39.810,
142.372

76, 52.837,
141.438

79, 26.453,
143.185

74, 65.200,
140.390

80, 13.016,
143.888

74, 76.490,
139.266

82, 0.309, 323.605

73, 86.215,
138.142

85, 13.391,
324.932

72, 93.837,
137.145

87, 26.141,
325.361

72, 98.885,
136.422

88, 31.430,
325.518

■ 72, 101.513,
136.024

■ 72, 101.565,
136.016

Harmonies

Complementary

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



77, 39.810, 142.372



67, 39.806, 326.050

Rectangle

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



77, 39.810, 142.372



77, 39.810, 192.372



77, 39.810, 322.372



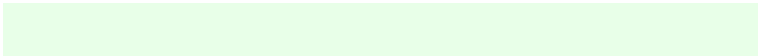
77, 39.810, 12.372

Sweetspot

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



77, 39.812, 142.372



98, 14.310, 143.931



81, 31.907, 107.308



52, 9.954, 143.834



0, 0.000, 0.000



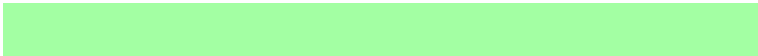
53, 0.007, 296.813

Same Dimension

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



77, 39.812, 142.372



93, 57.287, 141.761



78, 27.440, 160.898



42, 7.527, 143.913



59, 86.761, 136.016



12, 28.688, 142.914

Inverse Universe

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



67, 39.806, 326.050



79, 57.218, 326.395



66, 28.464, 346.410



40, 7.538, 324.935



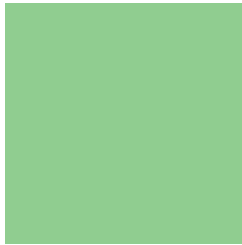
39, 83.708, 328.235



5, 29.041, 327.498

Previews

White Background



This preview shows how the CIELCh color 77, 39.810, 142.372 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, 39.810, 142.372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

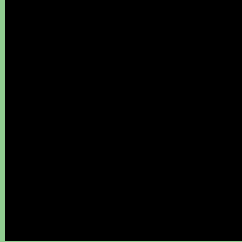
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 39.810, 142.372

Background



This preview shows how black text looks on a background with the CIELCh color 77, 39.810, 142.372.



This preview shows how white text looks on a background with the CIELCh color 77, 39.810, 142.372.

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](#).

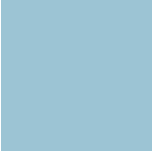
Dichromacy



Original Color
77, 39.810, 142.372

Protanopia
77, 28.355, 95.008

Deuteranopia
77, 24.000, 66.965



Tritanopia
77, 15.640, 232.116

Trichromacy



Original Color
77, 39.810, 142.372

Protanomaly
77, 29.583, 117.584

Deuteranomaly
76, 22.935, 105.003

Tritanomaly
77, 17.923, 176.909

Monochromacy



Original Color
77, 39.810, 142.372

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 14.536, 143.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 39.810, 142.372 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, 144)` looks like.

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

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, 144) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 77, 39.810, 142.372 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, 144) }
```

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

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

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, 144)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 77, 39.810, 142.372 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, 144) }
```

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

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

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