

Converting Colors

CIELCh(90, 39.286, 142.711)

Have a look what the booklet for
CIELCh(90, 39.286, 142.711)
contains.

CIELCh(90, 39.251, 142.702)	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(90, 39.251, 142.702)

Conversions

Conversions Part 1	
Format	Color
Hex	B4F2B4
RGB	180, 242, 180
RGB Percent	71%, 95%, 71%
CMY	0.2951, 0.0520, 0.2951
CMYK	0.26, 0.00, 0.26, 0.05
HSL	120°, 70%, 83%
HSV	120°, 26%, 95%
XYZ	58.6483, 76.3034, 54.6826
YIQ	216.3940, -17.0500, -32.4260

Conversions

Conversions Part 2

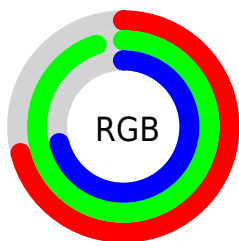
Format	Color
RYB	180, 242, 242
Decimal	11858612
CIELab	90.00, -31.22, 23.78
CIELCh	90, 39.251, 142.702
Yxy	76.3034, 0.3093, 0.4024
Android (android.graphics.Color)	4290048692 (0xFFB4F2B4)
YUV	216.3940, -17.9422, -31.9175
Hunter-Lab	87.3518, -33.0201, 24.0305

Details

The CIELCh color **90, 39.251, 142.702** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **81, 39.263, 325.845**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 11.632, 142.647**, and **70, 39.395, 142.604** is the 20% darker color. If you saturate the color by 10%, you get **88, 54.336, 141.806**, and if you desaturate by 10%, it is **92, 23.909, 143.477**.

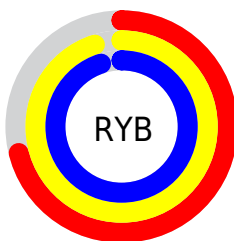
Distribution



Red (71%)

Green (95%)

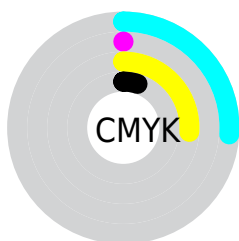
Blue (71%)



Red (71%)

Yellow (95%)

Blue (95%)

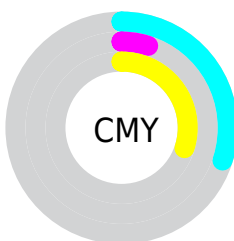


Cyan (26%)

Magenta (0%)

Yellow (26%)

Black (5%)



Cyan (30%)


Magenta (5%)


Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 39.251, 142.702 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 90, 39.251, 142.702 by changing the saturation by 10% instead.


 90, 39.251,
142.702


 90, 39.251,
142.702


 100, 39.251,
142.702


 80, 39.251,
142.702


 70, 39.251,
142.702

 60, 39.251,
142.702


 50, 39.251,
142.702

 40, 39.251,
142.702


 30, 39.251,
142.702


 20, 39.251,

142.702

 10, 39.251,
142.702

 0, 39.251, 142.702

 90, 39.251,
142.702


 90, 39.251,
142.702

 88, 54.336,
141.806


 92, 23.909,
143.477

 87, 68.808,
140.788

 94, 8.571, 144.154

 86, 82.226,
139.674

 96, 6.570, 324.628

 85, 94.049,
138.527

 97, 8.264, 324.692

■ 84, 103.660,
137.459

■ 84, 110.459,
136.622

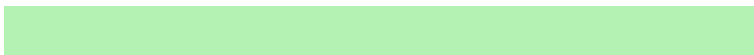
■ 84, 114.120,
136.140

■ 84, 115.030,
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.



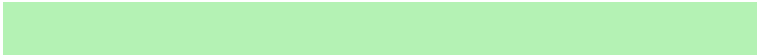
90, 39.251, 142.702



81, 39.263, 325.845

Rectangle

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



90, 39.251, 142.702



90, 39.251, 192.702



90, 39.251, 322.702



90, 39.251, 12.702

Sweetspot

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



90, 39.253, 142.702



98, 12.710, 143.998



94, 31.512, 107.680



52, 9.043, 143.898



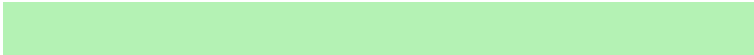
0, 0.000, 0.000



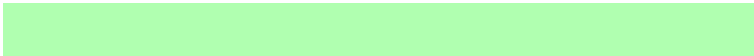
53, 0.007, 296.813

Same Dimension

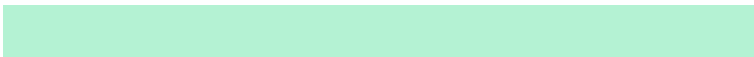
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 39.253, 142.702



93, 49.478, 142.230



91, 27.108, 161.313



49, 8.595, 143.902



65, 93.586, 136.017



19, 39.679, 137.803

Inverse Universe

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



81, 39.263, 325.845



82, 49.460, 326.136



80, 27.992, 345.991



47, 8.608, 324.946



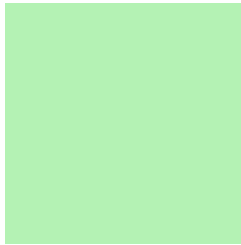
44, 90.291, 328.236



10, 39.416, 328.235

Previews

White Background



This preview shows how the CIELCh color 90, 39.251, 142.702 looks on a white background.

Color Contrast Check

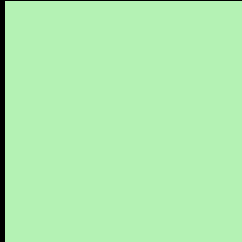
Large Text (above 18pt) WCAG AA × Fail

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 90, 39.251, 142.702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

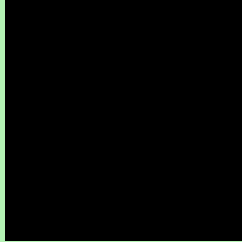
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 39.251, 142.702

Background



This preview shows how black text looks on a background with the CIELCh color 90, 39.251, 142.702.

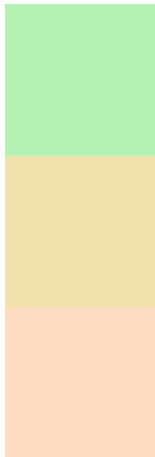


This preview shows how white text looks on a background with the CIELCh color 90, 39.251, 142.702.

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

90, 39.251, 142.702

Protanopia

90, 28.062, 94.960

Deuteranopia

90, 19.057, 62.550




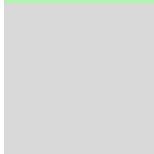
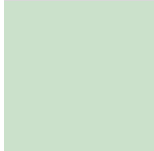
Tritanopia

90, 16.127, 236.710

Trichromacy

	Original Color 90, 39.251, 142.702
	Protanomaly 90, 29.149, 116.917
	Deuteranomaly 89, 19.627, 107.446
	Tritanomaly 90, 17.543, 179.174

Monochromacy

	Original Color 90, 39.251, 142.702
	Achromatopsia 86, 0.010, 296.813
	Achromatomaly 87, 14.054, 143.883

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 39.251, 142.702 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(180, 242, 180)` looks like.

```
.text, #text, p{  
    color:rgb(180, 242, 180)  
}
```

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(180, 242, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 242, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 39.251, 142.702 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(180, 242, 180) }
```

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

```
.border{ border-color:rgb(180, 242, 180) }
```

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

Here you see how a box with a 4 pixel rgb(180, 242, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 242, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 242, 180);  
box-shadow:4px 4px 4px 4px rgb(180, 242,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 39.251, 142.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 242, 180) }
```

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

```
.background{ background-color: rgb(180,  
242, 180) }
```

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