

Converting Colors

CIELCh(90, 48.075, 136.932)

Have a look what the booklet for
CIELCh(90, 48.075, 136.932)
contains.

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Color

CIELCh(90, 48.023, 137.067)

Conversions

Conversions Part 1

Format	Color
Hex	B2F3A2
RGB	178, 243, 162
RGB Percent	70%, 95%, 64%
CMY	0.3013, 0.0464, 0.3641
CMYK	0.27, 0.00, 0.33, 0.05
HSL	108°, 77%, 79%
HSV	108°, 33%, 95%
XYZ	57.0364, 76.3034, 45.9792
YIQ	214.3310, -12.7390, -38.9710

Conversions

Conversions Part 2

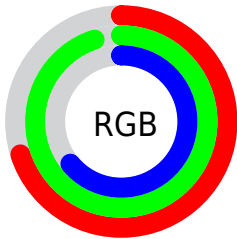
Format	Color
RYB	162, 243, 227
Decimal	11727778
CIELab	90.00, -35.16, 32.71
CIELCh	90, 48.023, 137.067
Yxy	76.3034, 0.3181, 0.4255
Android (android.graphics.Color)	4289917858 (0xFFB2F3A2)
YUV	214.3310, -25.7992, -31.8623
Hunter-Lab	87.3518, -36.3140, 29.9379

Details

The CIELCh color **90, 48.023, 137.067** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **75, 48.737, 320.368**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 20.651, 129.324**, and **70, 47.577, 137.306** is the 20% darker color. If you saturate the color by 10%, you get **89, 62.026, 136.393**, and if you desaturate by 10%, it is **92, 33.661, 137.694**.

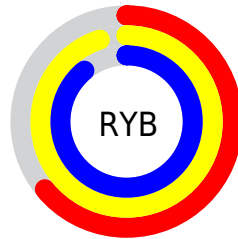
Distribution



Red (70%)

Green (95%)

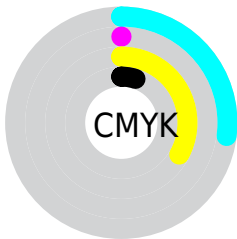
Blue (64%)



Red (64%)

Yellow (95%)

Blue (89%)

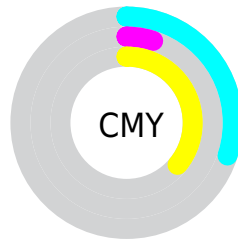


Cyan (27%)

Magenta (0%)

Yellow (33%)

Black (5%)



Cyan (30%)

Magenta (5%)

Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 48.023, 137.067 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, 48.023, 137.067 by changing the saturation by 10% instead.


 90, 48.023,
137.067


 90, 48.023,
137.067


 100, 48.023,
137.067


 80, 48.023,
137.067

 70, 48.023,
137.067

 60, 48.023,
137.067


 50, 48.023,
137.067

 40, 48.023,
137.067


 30, 48.023,
137.067


 20, 48.023,

137.067


 10, 48.023,
137.067


 0, 48.023, 137.067


 90, 48.023,
137.067


 90, 48.023,
137.067

 89, 62.026,
136.393


 92, 33.661,
137.694

 87, 75.339,
135.703

 93, 19.175,
138.258

 86, 87.526,
135.062

 95, 4.740, 138.788

 86, 98.024,
134.573

 97, 7.365, 324.656

■ 85, 106.200,
134.368

■ 85, 111.556,
134.557

■ 84, 113.723,
134.838

Harmonies

Complementary

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



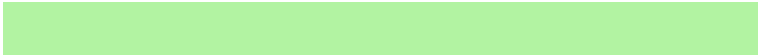
90, 48.023, 137.067



75, 48.737, 320.368

Rectangle

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



90, 48.023, 137.067



90, 48.023, 187.067



90, 48.023, 317.067



90, 48.023, 7.067

Sweetspot

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



90, 48.025, 137.068



98, 14.941, 138.432



90, 33.919, 96.463



52, 10.201, 138.358



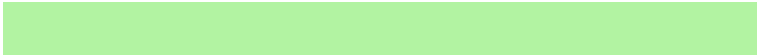
0, 0.000, 0.000



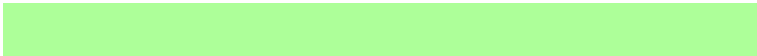
53, 0.007, 296.813

Same Dimension

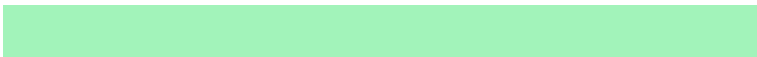
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 48.025, 137.068



93, 59.692, 136.613



90, 41.181, 151.492



50, 8.213, 138.459



66, 92.874, 134.687



21, 39.507, 134.406

Inverse Universe

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



75, 48.737, 320.368



75, 60.712, 320.650



76, 41.643, 336.746



48, 8.258, 319.289



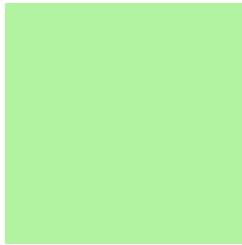
38, 92.934, 320.787



8, 41.170, 321.716

Previews

White Background



This preview shows how the CIELCh color 90, 48.023, 137.067 looks on a white background.

Color Contrast Check

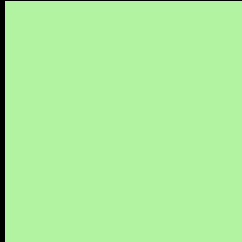
Large Text (above 18pt) WCAG AA × Fail

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, 48.023, 137.067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

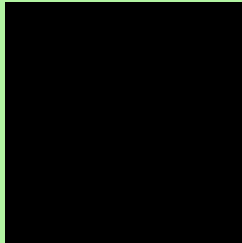
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 48.023, 137.067

Background



This preview shows how black text looks on a background with the CIELCh color 90, 48.023, 137.067.

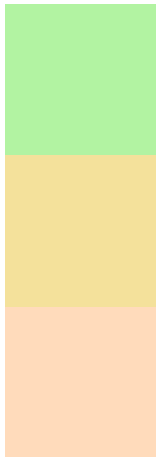


This preview shows how white text looks on a background with the CIELCh color 90, 48.023, 137.067.

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, 48.023, 137.067

Protanopia
90, 36.781, 95.197

Deuteranopia
90, 21.820, 68.951

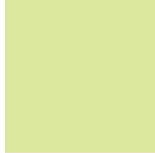


Tritanopia
90, 15.885, 237.403

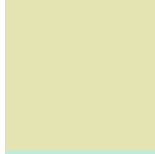
Trichromacy



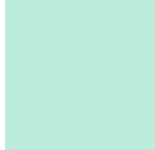
Original Color
90, 48.023, 137.067



Protanomaly
90, 38.075, 114.186



Deuteranomaly
89, 25.755, 108.906

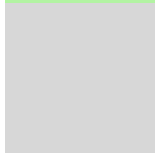


Tritanomaly
90, 19.001, 170.396

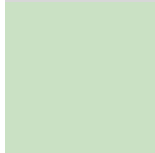
Monochromacy



Original Color
90, 48.023, 137.067



Achromatopsia
86, 0.010, 296.813



Achromatomaly
87, 17.374, 138.010

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 48.023, 137.067 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(178, 243, 162)` looks like.

```
.text, #text, p{  
    color:rgb(178, 243, 162)  
}
```

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(178, 243, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 243, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 48.023, 137.067 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(178, 243, 162) }
```

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

```
.border{ border-color:rgb(178, 243, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 243, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 243, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 243, 162);  
box-shadow:4px 4px 4px 4px rgb(178, 243,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 48.023, 137.067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 243, 162) }
```

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

```
.background{ background-color: rgb(178,  
243, 162) }
```

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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