

Converting Colors

CIELCh(90, 32.223, 159.059)

Have a look what the booklet for
CIELCh(90, 32.223, 159.059)
contains.

CIELCh(90, 32.432, 158.763)	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, 32.432, 158.763)

Conversions

Conversions Part 1

Format	Color
Hex	AAF2CB
RGB	170, 242, 203
RGB Percent	67%, 95%, 80%
CMY	0.3336, 0.0513, 0.2042
CMYK	0.30, 0.00, 0.16, 0.05
HSL	148°, 73%, 81%
HSV	148°, 30%, 95%
XYZ	59.0603, 76.3034, 68.0677
YIQ	216.0260, -30.3930, -27.3930

Conversions

Conversions Part 2

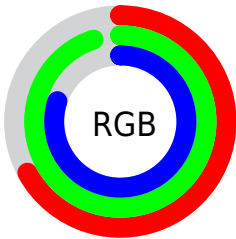
Format	Color
RYB	170, 219, 242
Decimal	11203275
CIELab	90.00, -30.23, 11.75
CIELCh	90, 32.432, 158.763
Yxy	76.3034, 0.2903, 0.3751
Android (android.graphics.Color)	4289393355 (0xFFAAF2CB)
YUV	216.0260, -6.4218, -40.3648
Hunter-Lab	87.3518, -32.1782, 14.9453

Details

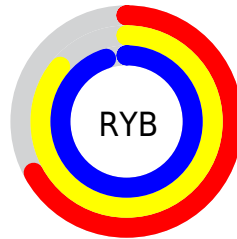
The CIELCh color **90, 32.432, 158.763** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77, 33.409, 344.126**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 9.514, 198.874**, and **70, 32.565, 158.577** is the 20% darker color. If you saturate the color by 10%, you get **89, 42.915, 157.602**, and if you desaturate by 10%, it is **92, 21.634, 159.790**.

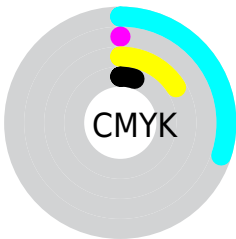
Distribution



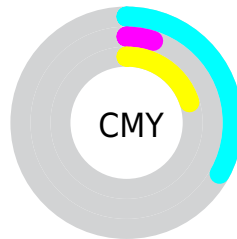
- Red (67%)
- Green (95%)
- Blue (80%)



- Red (67%)
- Yellow (86%)
- Blue (95%)



- Cyan (30%)
- Magenta (0%)
- Yellow (16%)
- Black (5%)



- Cyan (33%)
- Magenta (5%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 32.432, 158.763 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, 32.432, 158.763 by changing the saturation by 10% instead.

■ 90, 32.432,
158.763

■ 90, 32.432,
158.763

■ 100, 32.432,
158.763

■ 80, 32.432,
158.763

■ 70, 32.432,
158.763

■ 60, 32.432,
158.763


■ 50, 32.432,
158.763

■ 40, 32.432,
158.763


■ 30, 32.432,
158.763


■ 20, 32.432,

158.763


 10, 32.432,
158.763


 0, 32.432, 158.763


 90, 32.432,
158.763


 90, 32.432,
158.763

 89, 42.915,
157.602

 92, 21.634,
159.790


 87, 52.892,
156.283

 93, 10.687,
160.719

 86, 62.171,
154.781

 96, 0.268, 339.809

 97, 8.146, 324.687

 86, 70.583,
153.075

■ 85, 78.006,
151.154

■ 85, 84.400,
149.030

■ 84, 89.879,
146.783

■ 84, 90.004,
146.732

Harmonies

Complementary

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



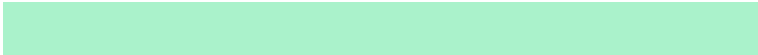
90, 32.432, 158.763



77, 33.409, 344.126

Rectangle

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



90, 32.432, 158.763



90, 32.432, 208.763



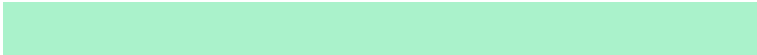
90, 32.432, 338.763



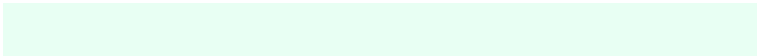
90, 32.432, 28.763

Sweetspot

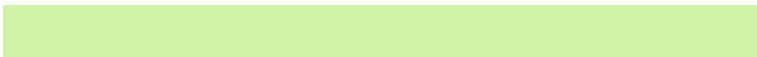
The Sweet Spot groups the original color and five complimentary colors.



90, 32.434, 158.762



98, 10.281, 160.785



92, 38.709, 125.859



52, 7.146, 160.654



0, 0.000, 0.000



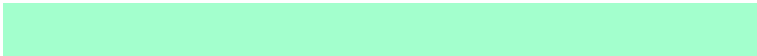
53, 0.007, 296.813

Same Dimension

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



90, 32.434, 158.762



93, 40.718, 158.044



91, 23.540, 193.310



49, 6.174, 160.745



66, 72.522, 147.158



20, 29.310, 150.907

Inverse Universe

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



77, 33.409, 344.126



77, 42.158, 344.819



76, 28.336, 18.088



47, 6.240, 342.196



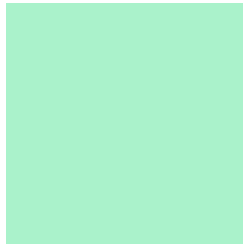
40, 66.840, 358.081



8, 29.882, 352.424

Previews

White Background



This preview shows how the CIELCh color 90, 32.432, 158.763 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 CIE LCh color 90, 32.432, 158.763 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, 32.432, 158.763

Background



This preview shows how black text looks on a background with the CIELCh color 90, 32.432, 158.763.

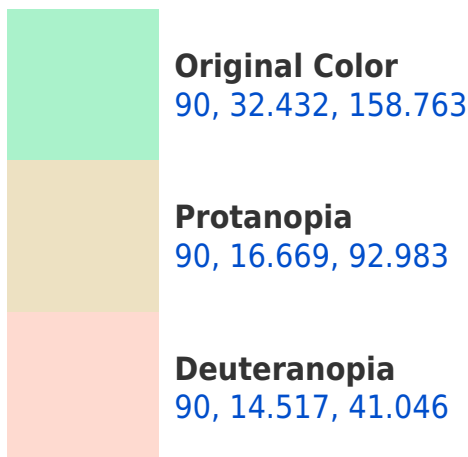



This preview shows how white text looks on a background with the CIELCh color 90, 32.432, 158.763.

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



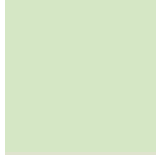


Tritanopia
90, 19.829, 228.494

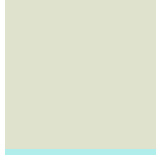
Trichromacy



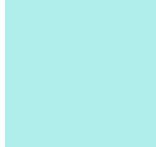
Original Color
90, 32.432, 158.763



Protanomaly
90, 18.839, 129.444



Deuteranomaly
89, 10.983, 116.990

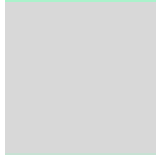


Tritanomaly
90, 20.587, 193.698

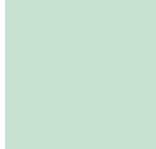
Monochromacy



Original Color
90, 32.432, 158.763



Achromatopsia
86, 0.010, 296.813



Achromatomaly
87, 11.903, 160.722

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 32.432, 158.763 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(170, 242, 203)` looks like.

```
.text, #text, p{  
    color:rgb(170, 242, 203)  
}
```

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(170, 242, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 242, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 32.432, 158.763 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(170, 242, 203) }
```

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

```
.border{ border-color:rgb(170, 242, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 242, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 242, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 242, 203);  
box-shadow:4px 4px 4px 4px rgb(170, 242,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 32.432, 158.763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 242, 203) }
```

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

```
.background{ background-color: rgb(170,  
242, 203) }
```

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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