

Converting Colors

CIELCh(90, 33.395, 168.824)

Have a look what the booklet for
CIELCh(90, 33.395, 168.824)
contains.

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Color

CIElCh(90, 33.025, 169.045)

Conversions

Conversions Part 1

Format	Color
Hex	9DF3D5
RGB	157, 243, 213
RGB Percent	62%, 95%, 84%
CMY	0.3831, 0.0458, 0.1635
CMYK	0.35, 0.00, 0.12, 0.05
HSL	159°, 79%, 79%
HSV	159°, 35%, 95%
XYZ	58.1540, 76.3034, 74.8128
YIQ	213.8660, -41.6260, -27.5620

Conversions

Conversions Part 2

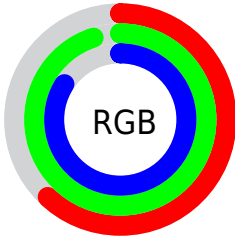
Format	Color
RYB	157, 209, 243
Decimal	10351573
CIELab	90.00, -32.42, 6.28
CIELCh	90, 33.025, 169.045
Yxy	76.3034, 0.2779, 0.3646
Android (android.graphics.Color)	4288541653 (0xFF9DF3D5)
YUV	213.8660, -0.4269, -49.8715
Hunter-Lab	87.3518, -34.0301, 10.3671

Details

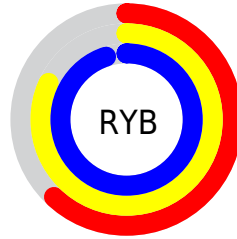
The CIELCh color **90, 33.025, 169.045** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **74, 36.051, 356.683**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 13.731, 198.590**, and **70, 32.855, 168.935** is the 20% darker color. If you saturate the color by 10%, you get **89, 41.474, 167.774**, and if you desaturate by 10%, it is **91, 24.051, 170.193**.

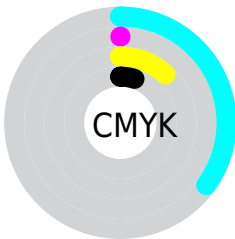
Distribution



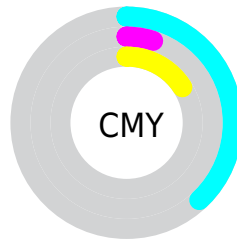
- Red (62%)
- Green (95%)
- Blue (84%)



- Red (62%)
- Yellow (82%)
- Blue (95%)



- Cyan (35%)
- Magenta (0%)
- Yellow (12%)
- Black (5%)





- Cyan (38%)
- Magenta (5%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 33.025, 169.045 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, 33.025, 169.045 by changing the saturation by 10% instead.


 90, 33.025,
169.045


 90, 33.025,
169.045


 100, 33.025,
169.045


 80, 33.025,
169.045

 70, 33.025,
169.045

 60, 33.025,
169.045

 50, 33.025,
169.045

 40, 33.025,
169.045

 30, 33.025,
169.045

 20, 33.025,

169.045

■ 10, 33.025,
169.045

■ 0, 33.025, 169.045

■ 90, 33.025,
169.045

■ 90, 33.025,
169.045

■ 89, 41.474,
167.774

■ 91, 24.051,
170.193

■ 88, 49.231,
166.360

■ 93, 14.710,
171.251

■ 87, 56.152,
164.775

■ 95, 5.152, 172.277

■ 86, 62.138,
162.994

■ 97, 4.497, 352.946

■ 97, 7.280, 324.653

■ 86, 67.154,
161.004

■ 85, 71.262,
158.808

■ 85, 72.972,
157.761

Harmonies

Complementary

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



90, 33.025, 169.045



74, 36.051, 356.683

Rectangle

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



90, 33.025, 169.045



90, 33.025, 219.045



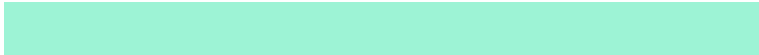
90, 33.025, 349.045



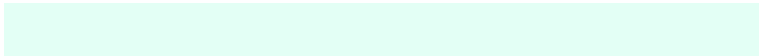
90, 33.025, 39.045

Sweetspot

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



90, 33.026, 169.043



98, 10.981, 171.689



90, 48.627, 132.446



52, 7.372, 171.552



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, 33.026, 169.043



93, 40.204, 168.201



87, 23.683, 214.681



50, 5.493, 171.844



67, 59.265, 158.172



21, 24.885, 161.621

Inverse Universe

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



74, 36.051, 356.683



73, 44.621, 357.757



76, 30.693, 34.636



48, 5.622, 353.499



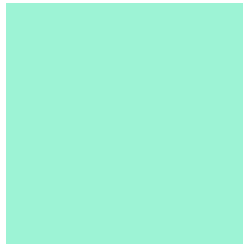
39, 67.847, 16.608



9, 29.615, 7.895

Previews

White Background



This preview shows how the CIE LCh color 90, 33.025, 169.045 looks on a white background.

Color Contrast Check

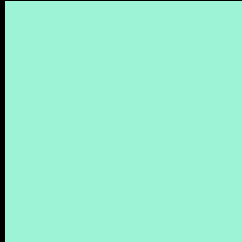
Large Text (above 18pt) WCAG AA × Fail

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, 33.025, 169.045 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

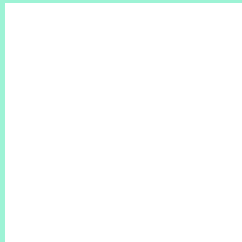
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 33.025, 169.045

Background



This preview shows how black text looks on a background with the CIELCh color 90, 33.025, 169.045.

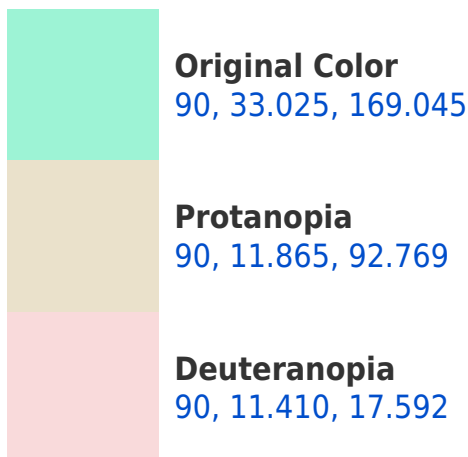



This preview shows how white text looks on a background with the CIELCh color 90, 33.025, 169.045.

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



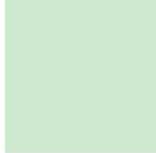


Tritanopia
90, 22.665, 222.754

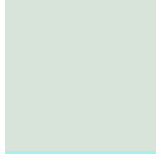
Trichromacy



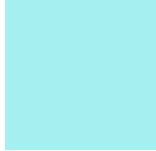
Original Color
90, 33.025, 169.045



Protanomaly
90, 16.100, 144.822

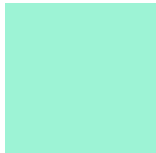


Deuteranomaly
89, 6.562, 146.760

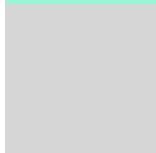


Tritanomaly
90, 23.760, 199.148

Monochromacy



Original Color
90, 33.025, 169.045



Achromatopsia
86, 0.010, 296.813



Achromatomaly
87, 12.758, 171.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 33.025, 169.045 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(157, 243, 213)` looks like.

```
.text, #text, p{  
    color:rgb(157, 243, 213)  
}
```

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(157, 243, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 243, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 33.025, 169.045 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(157, 243, 213) }
```

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

```
.border{ border-color:rgb(157, 243, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 243, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 243, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 243, 213);  
box-shadow:4px 4px 4px 4px rgb(157, 243,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 33.025, 169.045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 243, 213) }
```

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

```
.background{ background-color: rgb(157,  
243, 213) }
```

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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