

Converting Colors

CIELCh(90, 21.365, 188.145)

Have a look what the booklet for
CIELCh(90, 21.365, 188.145)
contains.

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Color

CIELCh(90, 21.365, 188.145)

Conversions

Conversions Part 1

Format	Color
Hex	AFEEE7
RGB	175, 238, 231
RGB Percent	69%, 93%, 91%
CMY	0.3123, 0.0652, 0.0927
CMYK	0.26, 0.00, 0.03, 0.07
HSL	173°, 65%, 81%
HSV	173°, 26%, 93%
XYZ	62.9118, 76.3034, 87.2783
YIQ	218.3650, -35.3010, -15.5330

Conversions

Conversions Part 2

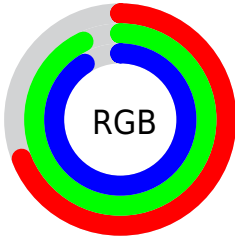
Format	Color
RYB	175, 208, 238
Decimal	11529959
CIELab	90.00, -21.15, -3.03
CIELCh	90, 21.365, 188.145
Yxy	76.3034, 0.2778, 0.3369
Android (android.graphics.Color)	4289720039 (0xFFAFEEE7)
YUV	218.3650, 6.2291, -38.0311
Hunter-Lab	87.3518, -24.3079, 1.9062

Details

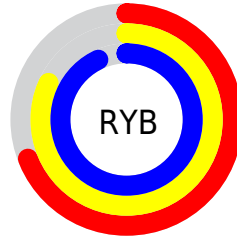
The CIELCh color **90, 21.365, 188.145** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78, 24.596, 12.913**, and the grayscale version is **87, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 7.855, 198.993**, and **70, 21.354, 187.279** is the 20% darker color. If you saturate the color by 10%, you get **89, 28.508, 187.294**, and if you desaturate by 10%, it is **91, 13.630, 188.975**.

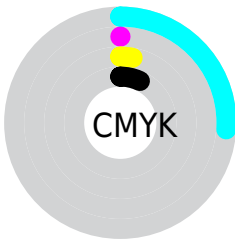
Distribution



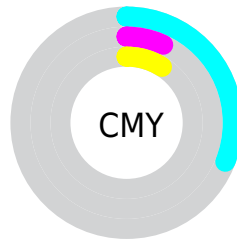
- Red (69%)
- Green (93%)
- Blue (91%)



- Red (69%)
- Yellow (82%)
- Blue (93%)



- Cyan (26%)
- Magenta (0%)
- Yellow (3%)
- Black (7%)





- Cyan (31%)
- Magenta (7%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 21.365, 188.145 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, 21.365, 188.145 by changing the saturation by 10% instead.


 90, 21.365,
188.145


 90, 21.365,
188.145


 100, 21.365,
188.145


 80, 21.365,
188.145

 70, 21.365,
188.145

 60, 21.365,
188.145

 50, 21.365,
188.145

 40, 21.365,
188.145

 30, 21.365,
188.145

 20, 21.365,

188.145

■ 10, 21.365,
188.145

■ 0, 21.365, 188.145

■ 90, 21.365,
188.145

■ 90, 21.365,
188.145

■ 89, 28.508,
187.294

■ 91, 13.630,
188.975

■ 88, 34.911,
186.421

■ 93, 5.443, 189.844

■ 87, 40.445,
185.506

■ 95, 3.066, 10.321

■ 96, 6.219, 2.542

■ 86, 45.004,
184.535

■ 96, 6.738, 351.468

■ 86, 48.535,
183.489

■ 96, 7.473, 342.288

■ 85, 51.048,
182.347

■ 96, 8.367, 334.927

■ 85, 52.642,
181.095

■ 96, 9.375, 329.086

■ 85, 53.086,
180.636

■ 96, 10.374,
324.772

Harmonies

Complementary

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



90, 21.365, 188.145



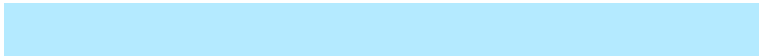
78, 24.596, 12.913

Rectangle

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



90, 21.365, 188.145



90, 21.365, 238.145



90, 21.365, 8.145



90, 21.365, 58.145

Sweetspot

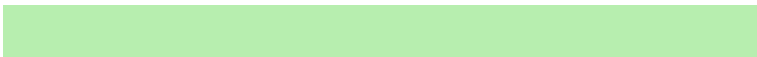
The Sweet Spot groups the original color and five complimentary colors.



90, 21.366, 188.141



99, 7.127, 189.695



89, 38.526, 139.715



52, 5.051, 189.561



0, 0.000, 0.000



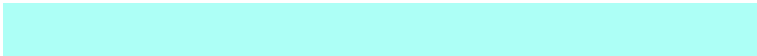
53, 0.007, 296.813

Same Dimension

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



90, 21.366, 188.141



95, 26.842, 187.663



84, 17.651, 245.294



49, 4.802, 189.566



67, 43.558, 180.866



20, 18.686, 182.824

Inverse Universe

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



78, 24.596, 12.913



79, 31.959, 13.714



83, 20.021, 59.324



47, 5.036, 10.984



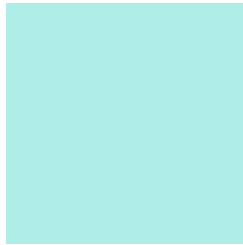
38, 76.939, 35.233



8, 29.304, 19.294

Previews

White Background



This preview shows how the CIELCh color 90, 21.365, 188.145 looks on a white background.

Color Contrast Check

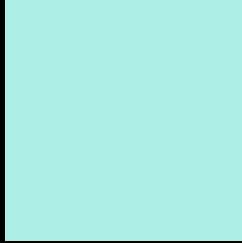
Large Text (above 18pt) WCAG AA × Fail

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, 21.365, 188.145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

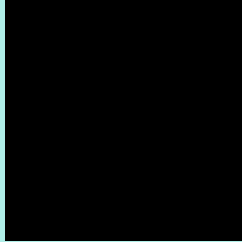
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

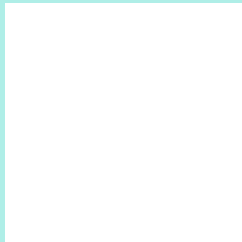
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 21.365, 188.145

Background



This preview shows how black text looks on a background with the CIELCh color 90, 21.365, 188.145.

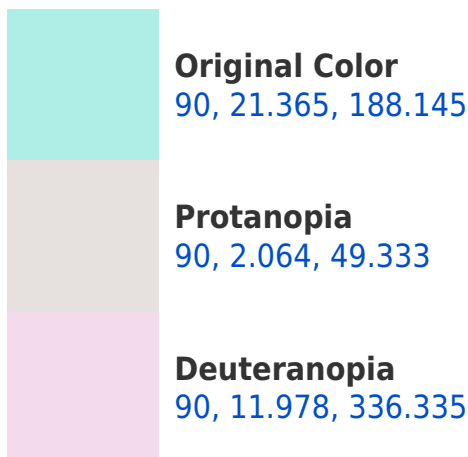



This preview shows how white text looks on a background with the CIELCh color 90, 21.365, 188.145.

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



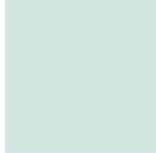


Tritanopia
90, 19.829, 228.494

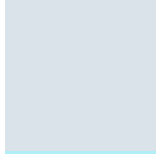
Trichromacy



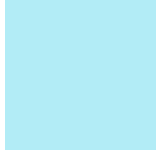
Original Color
90, 21.365, 188.145



Protanomaly
90, 7.361, 182.551

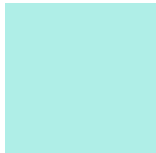


Deuteranomaly
90, 4.971, 256.375

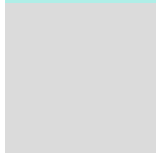


Tritanomaly
90, 19.315, 213.981

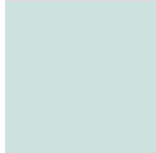
Monochromacy



Original Color
90, 21.365, 188.145



Achromatopsia
87, 0.010, 296.813



Achromatomaly
88, 8.241, 187.929

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 21.365, 188.145 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(175, 238, 231)` looks like.

```
.text, #text, p{  
    color:rgb(175, 238, 231)  
}
```

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(175, 238, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 238, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 21.365, 188.145 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(175, 238, 231) }
```

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

```
.border{ border-color:rgb(175, 238, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 238, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 238, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 238, 231); box-shadow:4px 4px 4px 4px rgb(175, 238, 231) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 21.365, 188.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 238, 231) }
```

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

```
.background{ background-color: rgb(175,  
238, 231) }
```

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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