

Converting Colors

CIELCh(90, 9.910, 187.423)

Have a look what the booklet for
CIELCh(90, 9.910, 187.423) contains.

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Color

CIELCh(90, 9.994, 186.747)

Conversions

Conversions Part 1

Format	Color
Hex	CCE8E4
RGB	204, 232, 228
RGB Percent	80%, 91%, 89%
CMY	0.1992, 0.0894, 0.1051
CMYK	0.12, 0.00, 0.02, 0.09
HSL	171°, 38%, 86%
HSV	171°, 12%, 91%
XYZ	67.8998, 76.3034, 84.6930
YIQ	223.1720, -15.4040, -7.1800

Conversions

Conversions Part 2

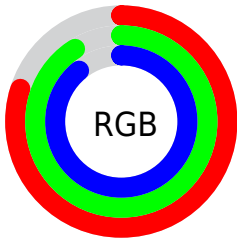
Format	Color
R_{YB}	204, 219, 232
Decimal	13428964
CIE _{Lab}	90.00, -9.92, -1.17
CIE _{LCh}	90, 9.994, 186.747
Yxy	76.3034, 0.2966, 0.3334
Android (android.graphics.Color)	4291619044 (0xFFCCE8E4)
YUV	223.1720, 2.3802, -16.8138
Hunter-Lab	87.3518, -14.1150, 3.6609

Details

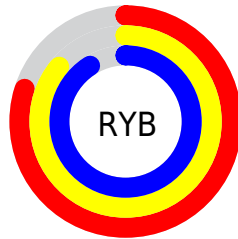
The CIELCh color **90, 9.994, 186.747** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85, 10.573, 8.745**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 9.629, 188.789** is the 20% darker color. If you saturate the color by 10%, you get **88, 17.906, 185.843**, and if you desaturate by 10%, it is **92, 1.732, 187.861**.

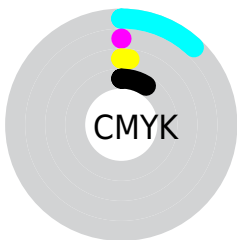
Distribution



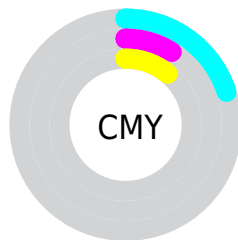
- Red (80%)
- Green (91%)
- Blue (89%)



- Red (80%)
- Yellow (86%)
- Blue (91%)



- Cyan (12%)
- Magenta (0%)
- Yellow (2%)
- Black (9%)



- Cyan (20%)
- Magenta (9%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 9.994, 186.747 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, 9.994, 186.747 by changing the saturation by 10% instead.

90, 9.994, 186.747

90, 9.994, 186.747

100, 9.994,
186.747

80, 9.994, 186.747

70, 9.994, 186.747

60, 9.994, 186.747

50, 9.994, 186.747

40, 9.994, 186.747

30, 9.994, 186.747

20, 9.994, 186.747

10, 9.994, 186.747

0, 9.994, 186.747

90, 9.994, 186.747

90, 9.994, 186.747

88, 17.906,
185.843

92, 1.732, 187.861

87, 25.330,
184.930

94, 6.764, 8.253

94, 8.736, 359.493

86, 32.123,
183.978

94, 9.446, 349.751

85, 38.146,
182.971

94, 10.394,
341.596

84, 43.279,
181.890

94, 11.521,
334.941

84, 47.441,
180.716

94, 12.780,
329.558

83, 50.605,
179.425

94, 14.135,
325.196

83, 52.823,
178.001

94, 14.236,
324.914

■ 83, 54.072,
176.792

Harmonies

Complementary

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



90, 9.994, 186.747



85, 10.573, 8.745

Rectangle

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



90, 9.994, 186.747



90, 9.994, 236.747



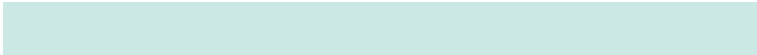
90, 9.994, 6.747



90, 9.994, 56.747

Sweetspot

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



90, 9.995, 186.738



99, 3.621, 187.533



90, 16.969, 139.697



53, 2.571, 187.442



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, 9.995, 186.738



97, 12.471, 186.558



88, 8.007, 239.018



48, 4.768, 186.975



66, 44.755, 177.058



19, 18.693, 179.539

Inverse Universe

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



85, 10.573, 8.745



91, 13.321, 8.961



87, 8.490, 56.677



46, 4.983, 8.472



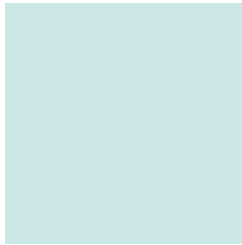
38, 74.566, 33.316



7, 28.031, 16.841

Previews

White Background



This preview shows how the CIELCh color 90, 9.994, 186.747 looks on a white background.

Color Contrast Check

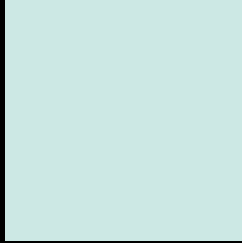
Large Text (above 18pt) WCAG AA × Fail

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, 9.994, 186.747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

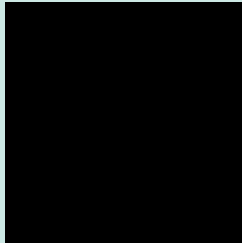
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

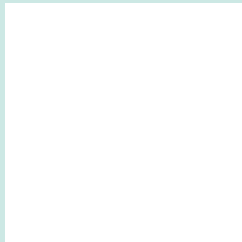
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 9.994, 186.747

Background



This preview shows how black text looks on a background with the CIELCh color 90, 9.994, 186.747.



This preview shows how white text looks on a background with the CIELCh color 90, 9.994, 186.747.

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](#).

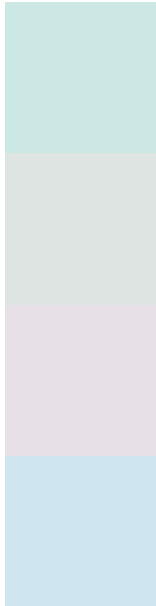
Dichromacy





Tritanopia
90, 11.574, 253.290

Trichromacy



Original Color
90, 9.994, 186.747

Protanomaly
90, 2.704, 176.875

Deuteranomaly
90, 4.023, 328.710

Tritanomaly
90, 9.297, 233.113

Monochromacy



Original Color
90, 9.994, 186.747

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 3.585, 190.971

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 9.994, 186.747 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(204, 232, 228)` looks like.

```
.text, #text, p{  
    color:rgb(204, 232, 228)  
}
```

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(204, 232, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 232, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 9.994, 186.747 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(204, 232, 228) }
```

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

```
.border{ border-color:rgb(204, 232, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 232, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 232, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 232, 228);  
box-shadow:4px 4px 4px 4px rgb(204, 232,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 9.994, 186.747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 232, 228) }
```

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

```
.background{ background-color: rgb(204,  
232, 228) }
```

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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