

Converting Colors

CIELCh(90, 10.202, 197.591)

Have a look what the booklet for
CIELCh(90, 10.202, 197.591)
contains.

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Color

CIELCh(90, 9.992, 198.790)

Conversions

Conversions Part 1

Format	Color
Hex	CBE8E8
RGB	203, 232, 232
RGB Percent	80%, 91%, 91%
CMY	0.2036, 0.0898, 0.0898
CMYK	0.12, 0.00, 0.00, 0.09
HSL	180°, 39%, 85%
HSV	180°, 12%, 91%
XYZ	68.1121, 76.3034, 87.5484
YIQ	223.3290, -17.2840, -6.1480

Conversions

Conversions Part 2

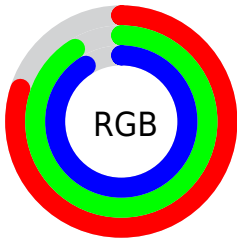
Format	Color
R _Y B	203, 218, 232
Decimal	13363432
CIE Lab	90.00, -9.46, -3.22
CIE LCh	90, 9.992, 198.790
Yxy	76.3034, 0.2936, 0.3289
Android (android.graphics.Color)	4291553512 (0xFFCBE8E8)
YUV	223.3290, 4.2748, -17.8285
Hunter-Lab	87.3518, -13.6812, 1.7228

Details

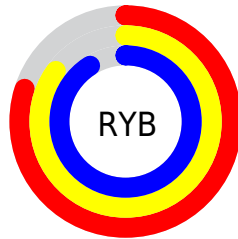
The CIELCh color **90, 9.992, 198.790** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84, 10.826, 20.171**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 9.725, 198.648** is the 20% darker color. If you saturate the color by 10%, you get **89, 17.445, 198.257**, and if you desaturate by 10%, it is **92, 2.046, 199.558**.

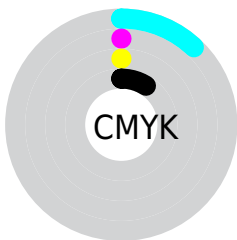
Distribution



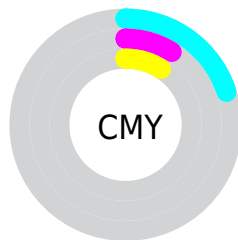
- Red (80%)
- Green (91%)
- Blue (91%)



- Red (80%)
- Yellow (85%)
- Blue (91%)



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



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 9.992, 198.790 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, 9.992, 198.790 by changing the saturation by 10% instead.

 90, 9.992, 198.790

 90, 9.992, 198.790

 100, 9.992,
198.790

 80, 9.992, 198.790

 70, 9.992, 198.790

 60, 9.992, 198.790

 50, 9.992, 198.790

 40, 9.992, 198.790

 30, 9.992, 198.790

 20, 9.992, 198.790

 10, 9.992, 198.790

 0, 9.992, 198.790

90, 9.992, 198.790

90, 9.992, 198.790

89, 17.445,
198.257

92, 2.046, 199.558

87, 24.268,
197.800

93, 6.273, 19.729

86, 30.330,
197.403

94, 8.284, 19.885

85, 35.508,
197.071

94, 8.284, 19.866

85, 39.710,
196.805

94, 8.284, 19.856

84, 42.883,
196.606

94, 8.284, 19.846

84, 45.034,
196.472

94, 8.283, 19.837

84, 46.237,
196.396

94, 8.283, 19.827

 84, 46.675,
196.368

Harmonies

Complementary

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



90, 9.992, 198.790



84, 10.826, 20.171

Rectangle

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



90, 9.992, 198.790



90, 9.992, 248.790



90, 9.992, 18.790



90, 9.992, 68.790

Sweetspot

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



90, 9.993, 198.780



99, 3.526, 199.360



89, 18.350, 143.273



53, 2.501, 199.289



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, 9.993, 198.780



97, 12.851, 198.637



86, 8.878, 255.293



48, 4.619, 198.958



67, 38.755, 196.368



19, 16.596, 196.371

Inverse Universe

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



84, 10.826, 20.171



90, 14.168, 20.387



88, 9.189, 72.042



46, 4.905, 19.927



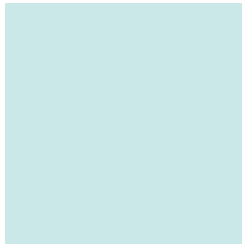
38, 80.842, 39.981



7, 28.535, 22.710

Previews

White Background



This preview shows how the CIELCh color 90, 9.992, 198.790 looks on a white background.

Color Contrast Check

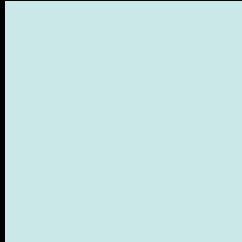
Large Text (above 18pt) WCAG AA × Fail

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, 9.992, 198.790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

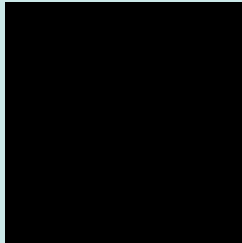
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

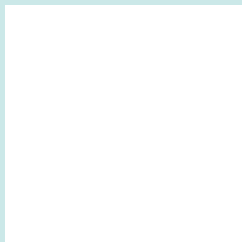
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 9.992, 198.790

Background



This preview shows how black text looks on a background with the CIELCh color 90, 9.992, 198.790.

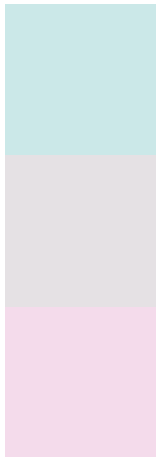


This preview shows how white text looks on a background with the CIELCh color 90, 9.992, 198.790.

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

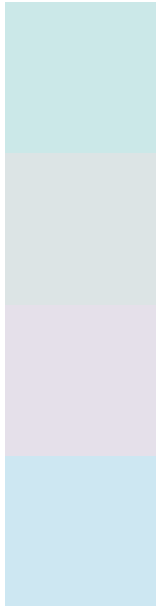


Original Color 90, 9.992, 198.790
Protanopia 90, 2.134, 332.285
Deuteranopia 90, 12.237, 337.535



Tritanopia
90, 12.164, 249.529

Trichromacy



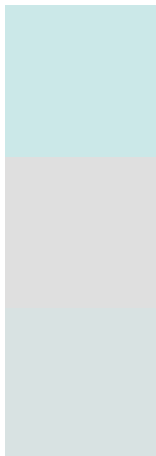
Original Color
90, 9.992, 198.790

Protanomaly
90, 2.863, 209.890

Deuteranomaly
90, 5.522, 309.232

Tritanomaly
90, 10.371, 232.508

Monochromacy



Original Color
90, 9.992, 198.790

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 3.533, 199.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 9.992, 198.790 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(203, 232, 232)` looks like.

```
.text, #text, p{  
    color:rgb(203, 232, 232)  
}
```

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(203, 232, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 232, 232) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 9.992, 198.790 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(203, 232, 232) }
```

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

```
.border{ border-color:rgb(203, 232, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 232, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 232, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 232, 232);  
box-shadow:4px 4px 4px 4px rgb(203, 232,  
232) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 9.992, 198.790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 232, 232) }
```

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

```
.background{ background-color: rgb(203,  
232, 232) }
```

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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