

Converting Colors

CIELCh(90, 10.193, 190.885)

Have a look what the booklet for
CIELCh(90, 10.193, 190.885)
contains.

CIELCh(90, 10.107, 192.854)	3
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Color

CIELCh(90, 10.107, 192.854)

Conversions

Conversions Part 1

Format	Color
Hex	CBE8E6
RGB	203, 232, 230
RGB Percent	80%, 91%, 90%
CMY	0.2030, 0.0892, 0.0971
CMYK	0.12, 0.00, 0.01, 0.09
HSL	176°, 39%, 85%
HSV	176°, 12%, 91%
XYZ	67.9322, 76.3034, 86.1857
YIQ	223.1010, -16.6420, -6.7700

Conversions

Conversions Part 2

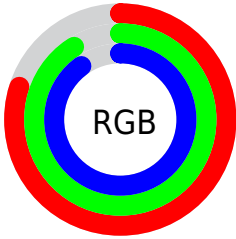
Format	Color
R _Y B	203, 218, 232
Decimal	13363430
CIE Lab	90.00, -9.85, -2.25
CIE LCh	90, 10.107, 192.854
Yxy	76.3034, 0.2948, 0.3311
Android (android.graphics.Color)	4291553510 (0xFFCBE8E6)
YUV	223.1010, 3.4012, -17.6286
Hunter-Lab	87.3518, -14.0488, 2.6477

Details

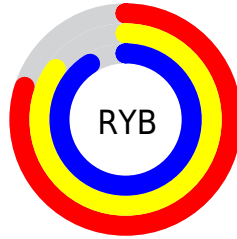
The CIELCh color **90, 10.107, 192.854** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **84, 10.838, 14.640**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 9.778, 195.414** is the 20% darker color. If you saturate the color by 10%, you get **89, 17.731, 192.110**, and if you desaturate by 10%, it is **92, 2.055, 193.793**.

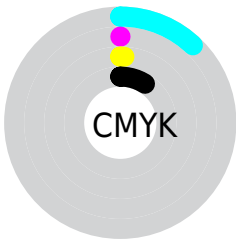
Distribution



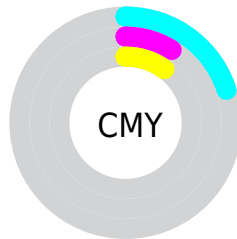
- Red (80%)
- Green (91%)
- Blue (90%)



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



- Cyan (12%)
- Magenta (0%)
- Yellow (1%)
- Black (9%)





- Cyan (20%)
- Magenta (9%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 10.107, 192.854 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, 10.107, 192.854 by changing the saturation by 10% instead.


 90, 10.107,
192.854


 90, 10.107,
192.854


 100, 10.107,
192.854


 80, 10.107,
192.854


 70, 10.107,
192.854

 60, 10.107,
192.854

 50, 10.107,
192.854

 40, 10.107,
192.854

 30, 10.107,
192.854

 20, 10.107,

192.854

■ 10, 10.107,
192.854

■ 0, 10.107, 192.854

■ 90, 10.107,
192.854

■ 90, 10.107,
192.854

■ 89, 17.731,
192.110

■ 92, 2.055, 193.793

■ 87, 24.789,
191.394

■ 93, 6.305, 14.118

■ 94, 8.324, 9.958

■ 86, 31.142,
190.685

■ 94, 8.491, 4.480

■ 85, 36.661,
189.973

■ 94, 8.734, 359.261

■ 94, 9.046, 354.368

■ 85, 41.237,
189.251

■ 94, 9.422, 349.837

■ 84, 44.803,
188.505

■ 94, 9.853, 345.684

■ 84, 47.349,
187.720

■ 94, 10.333,
341.903

■ 83, 48.939,
186.881

■ 83, 49.661,
186.218

Harmonies

Complementary

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



90, 10.107, 192.854



84, 10.838, 14.640

Rectangle

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



90, 10.107, 192.854



90, 10.107, 242.854



90, 10.107, 12.854



90, 10.107, 62.854

Sweetspot

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



90, 10.108, 192.845



99, 3.553, 193.572



90, 17.957, 141.517



53, 2.521, 193.489



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, 10.108, 192.845



97, 13.014, 192.651



87, 8.497, 247.450



48, 4.666, 193.078



66, 41.168, 186.369



19, 17.451, 187.758

Inverse Universe

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



84, 10.838, 14.640



90, 14.167, 14.895



87, 8.916, 64.514



46, 4.917, 14.352



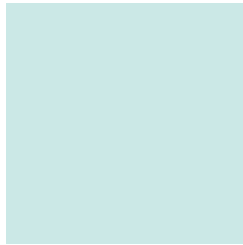
38, 77.971, 37.227



7, 28.257, 19.901

Previews

White Background



This preview shows how the CIELCh color 90, 10.107, 192.854 looks on a white background.

Color Contrast Check

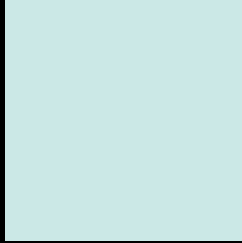
Large Text (above 18pt) WCAG AA × Fail

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, 10.107, 192.854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

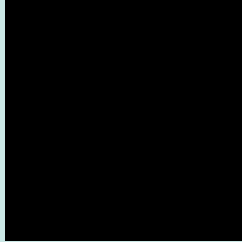
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

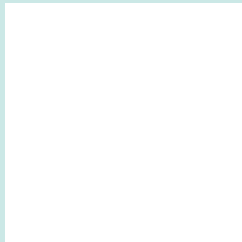
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 10.107, 192.854

Background



This preview shows how black text looks on a background with the CIELCh color 90, 10.107, 192.854.

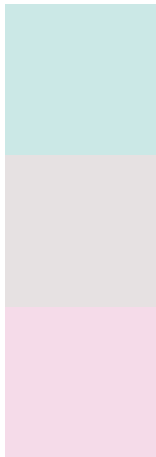


This preview shows how white text looks on a background with the CIELCh color 90, 10.107, 192.854.

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, 10.107, 192.854

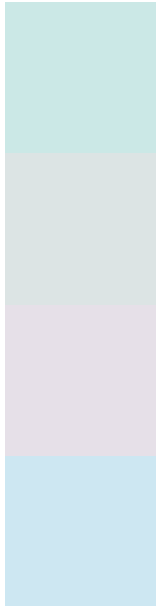
Protanopia
90, 1.874, 3.144

Deuteranopia
90, 11.852, 342.463



Tritanopia
90, 12.164, 249.529

Trichromacy



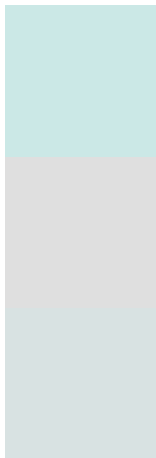
Original Color
90, 10.107, 192.854

Protanomaly
90, 2.827, 199.425

Deuteranomaly
90, 4.703, 317.395

Tritanomaly
90, 10.371, 232.508

Monochromacy



Original Color
90, 10.107, 192.854

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, 10.107, 192.854 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(203, 232, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 232, 230) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 10.107, 192.854 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, 230) }
```

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

```
.border{ border-color:rgb(203, 232, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 232, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 232, 230);  
box-shadow:4px 4px 4px 4px rgb(203, 232,  
230) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 10.107, 192.854 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, 230) }
```

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

```
.background{ background-color: rgb(203,  
232, 230) }
```

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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