

Converting Colors

CIELCh(90, 9.010, 216.881)

Have a look what the booklet for
CIELCh(90, 9.010, 216.881) contains.

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Color

CIELCh(90, 8.903, 215.942)

Conversions

Conversions Part 1

Format	Color
Hex	CEE7EC
RGB	206, 231, 236
RGB Percent	81%, 91%, 93%
CMY	0.1923, 0.0942, 0.0746
CMYK	0.13, 0.02, 0.00, 0.07
HSL	190°, 44%, 87%
HSV	190°, 13%, 93%
XYZ	69.1455, 76.3034, 90.4139
YIQ	224.0950, -16.5050, -3.7450

Conversions

Conversions Part 2

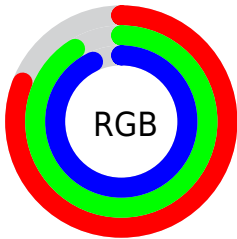
Format	Color
R _Y B	206, 220, 236
Decimal	13559788
CIE Lab	90.00, -7.21, -5.23
CIE LCh	90, 8.903, 215.942
Yxy	76.3034, 0.2932, 0.3235
Android (android.graphics.Color)	4291749868 (0xFFCEE7EC)
YUV	224.0950, 5.8692, -15.8693
Hunter-Lab	87.3518, -11.5695, -0.2222

Details

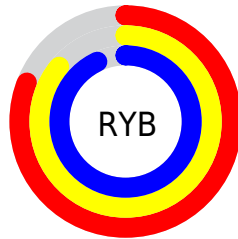
The CIELCh color `90, 8.903, 215.942` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `86, 9.674, 35.591`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 8.941, 216.695` is the 20% darker color. If you saturate the color by 10%, you get `87, 15.424, 216.203`, and if you desaturate by 10%, it is `93, 1.950, 216.014`.

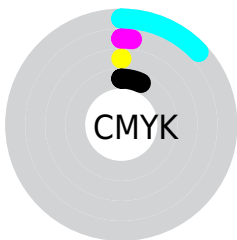
Distribution



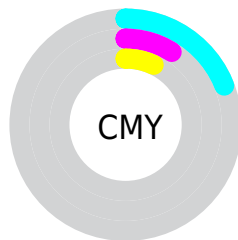
- Red (81%)
- Green (91%)
- Blue (93%)



- Red (81%)
- Yellow (86%)
- Blue (93%)



- Cyan (13%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (19%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 8.903, 215.942 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, 8.903, 215.942 by changing the saturation by 10% instead.

90, 8.903, 215.942

90, 8.903, 215.942

100, 8.903,
215.942

80, 8.903, 215.942

70, 8.903, 215.942

60, 8.903, 215.942

50, 8.903, 215.942

40, 8.903, 215.942

30, 8.903, 215.942

20, 8.903, 215.942

10, 8.903, 215.942

0, 8.903, 215.942

90, 8.903, 215.942

90, 8.903, 215.942

87, 15.424,
216.203

93, 1.950, 216.014

85, 21.403,
216.673

95, 5.339, 35.521

83, 26.724,
217.372

97, 5.582, 57.863

81, 31.277,
218.355

98, 7.591, 97.639

79, 34.970,
219.686

99, 9.410, 108.482

100, 9.635,
109.448

77, 37.748,
221.436

76, 39.616,
223.680

74, 40.661,
226.478

■ 73, 41.066,
228.820

Harmonies

Complementary

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



90, 8.903, 215.942



86, 9.674, 35.591

Rectangle

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



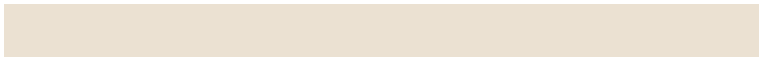
90, 8.903, 215.942



90, 8.903, 265.942



90, 8.903, 35.942



90, 8.903, 85.942

Sweetspot

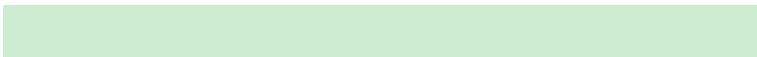
The Sweet Spot groups the original color and five complimentary colors.



90, 8.903, 215.929



99, 3.051, 215.926



91, 17.137, 148.035



53, 2.164, 215.901



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, 8.903, 215.929



96, 11.112, 215.976



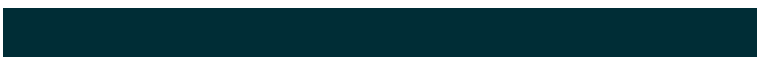
86, 10.763, 271.523



48, 3.995, 215.885



57, 33.669, 228.202



16, 14.458, 222.941

Inverse Universe

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



86, 16.980, 330.144



91, 21.361, 330.294



90, 10.809, 88.137



46, 7.537, 329.936



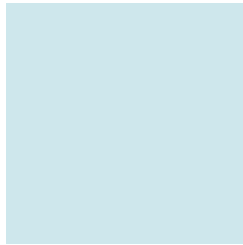
41, 78.488, 336.174



9, 34.243, 334.829

Previews

White Background



This preview shows how the CIELCh color 90, 8.903, 215.942 looks on a white background.

Color Contrast Check

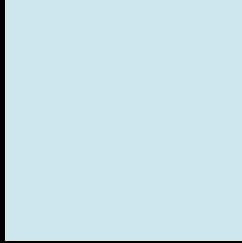
Large Text (above 18pt) WCAG AA × Fail

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, 8.903, 215.942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

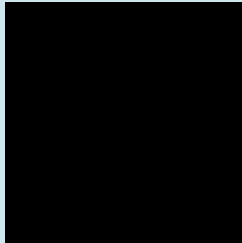
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

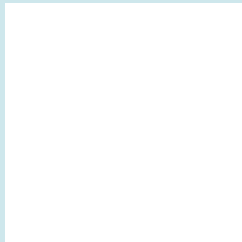
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 8.903, 215.942

Background



This preview shows how black text looks on a background with the CIELCh color 90, 8.903, 215.942.



This preview shows how white text looks on a background with the CIELCh color 90, 8.903, 215.942.

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



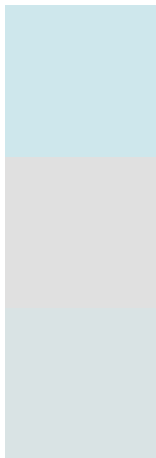
Original Color
90, 8.903, 215.942

Protanomaly
90, 3.937, 251.929

Deuteranomaly
90, 7.619, 306.804

Tritanomaly
90, 10.181, 240.761

Monochromacy



Original Color
90, 8.903, 215.942

Achromatopsia
89, 0.011, 296.813

Achromatomaly
90, 3.554, 207.759

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 8.903, 215.942 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(206, 231, 236)` looks like.

```
.text, #text, p{  
    color:rgb(206, 231, 236)  
}
```

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(206, 231, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 231, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 8.903, 215.942 is called "border". The border property can be set on classes, ids or directly on the HTML element.

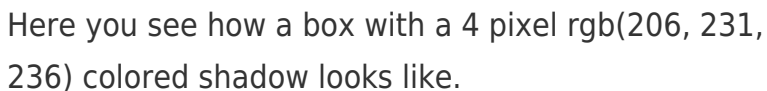
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 231, 236) }
```

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

```
.border{ border-color:rgb(206, 231, 236) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 231, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 231, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 231, 236); box-shadow:4px 4px 4px 4px rgb(206, 231, 236) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 8.903, 215.942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 231, 236) }
```

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

```
.background{ background-color: rgb(206,  
231, 236) }
```

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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