

Converting Colors

CIELCh(90, 9.891, 270.760)

Have a look what the booklet for
CIELCh(90, 9.891, 270.760) contains.

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Color

CIELCh(90, 9.890, 270.749)

Conversions

Conversions Part 1

Format	Color
Hex	D9E3F5
RGB	217, 227, 245
RGB Percent	85%, 89%, 96%
CMY	0.1489, 0.1097, 0.0391
CMYK	0.11, 0.07, 0.00, 0.04
HSL	219°, 58%, 91%
HSV	219°, 11%, 96%
XYZ	72.5856, 76.3034, 97.3110
YIQ	226.0620, -11.7380, 3.4780

Conversions

Conversions Part 2

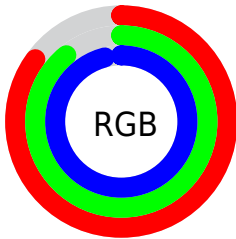
Format	Color
R _Y B	217, 224, 245
Decimal	14279669
CIE Lab	90.00, 0.13, -9.89
CIE LCh	90, 9.890, 270.749
Yxy	76.3034, 0.2948, 0.3099
Android (android.graphics.Color)	4292469749 (0xFFD9E3F5)
YUV	226.0620, 9.3364, -7.9474
Hunter-Lab	87.3518, -4.5397, -4.9036

Details

The CIELCh color `90, 9.890, 270.749` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `93, 9.933, 87.688`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 9.884, 270.026` is the 20% darker color. If you saturate the color by 10%, you get `84, 18.653, 272.323`, and if you desaturate by 10%, it is `96, 1.236, 269.585`.

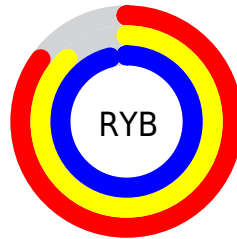
Distribution



Red (85%)

Green (89%)

Blue (96%)



Red (85%)

Yellow (88%)

Blue (96%)

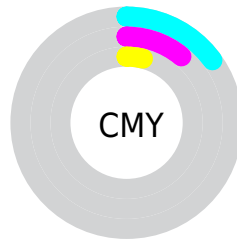


Cyan (11%)

Magenta (7%)

Yellow (0%)

Black (4%)



Cyan (15%)

Magenta (11%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 9.890, 270.749 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, 9.890, 270.749 by changing the saturation by 10% instead.

90, 9.890, 270.749

90, 9.890, 270.749

100, 9.890,
270.749

80, 9.890, 270.749

70, 9.890, 270.749

60, 9.890, 270.749

50, 9.890, 270.749

40, 9.890, 270.749

30, 9.890, 270.749

20, 9.890, 270.749

10, 9.890, 270.749

0, 9.890, 270.749

90, 9.890, 270.749

90, 9.890, 270.749

84, 18.653,
272.323

96, 1.236, 269.585

79, 27.531,
274.192

100, 5.044,
109.786

73, 36.530,
276.387

67, 45.671,
278.951

62, 54.992,
281.911

57, 64.544,
285.257

52, 74.356,
288.915

47, 84.383,
292.725

■ 44, 93.007,
295.883

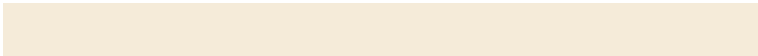
Harmonies

Complementary

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



90, 9.890, 270.749



93, 9.933, 87.688

Rectangle

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



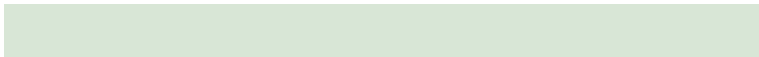
90, 9.890, 270.749



90, 9.890, 320.749



90, 9.890, 90.749



90, 9.890, 140.749

Sweetspot

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



90, 9.889, 270.740



98, 2.674, 269.660



94, 11.171, 170.503



52, 2.027, 269.740



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, 9.889, 270.740



92, 12.532, 271.126



88, 14.730, 296.356



48, 4.909, 270.464



33, 74.312, 295.229



8, 28.376, 289.220

Inverse Universe

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



89, 11.404, 353.158



91, 14.495, 353.437



96, 14.356, 114.530



48, 5.648, 352.952



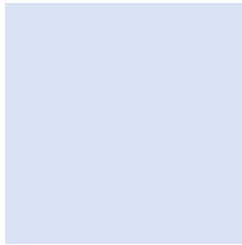
39, 67.662, 15.817



9, 29.614, 7.288

Previews

White Background



This preview shows how the CIELCh color 90, 9.890, 270.749 looks on a white background.

Color Contrast Check

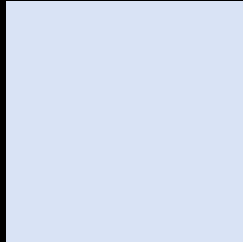
Large Text (above 18pt) WCAG AA × Fail

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, 9.890, 270.749 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

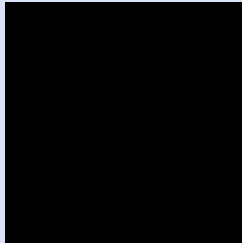
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

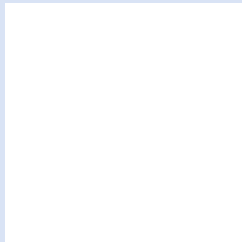
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 9.890, 270.749

Background



This preview shows how black text looks on a background with the CIELCh color 90, 9.890, 270.749.



This preview shows how white text looks on a background with the CIELCh color 90, 9.890, 270.749.

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

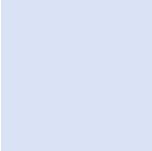
90, 9.890, 270.749

Protanopia

90, 9.883, 290.982

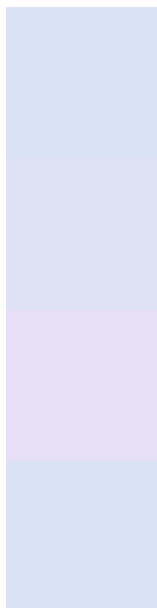
Deuteranopia

90, 15.136, 317.136



Tritanopia
90, 9.890, 270.749

Trichromacy



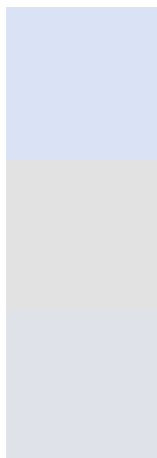
Original Color
90, 9.890, 270.749

Protanomaly
90, 9.434, 282.559

Deuteranomaly
90, 12.327, 304.097

Tritanomaly
90, 9.890, 270.749

Monochromacy



Original Color
90, 9.890, 270.749

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 3.778, 274.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 9.890, 270.749 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(217, 227, 245)` looks like.

```
.text, #text, p{  
    color:rgb(217, 227, 245)  
}
```

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(217, 227, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 227, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 9.890, 270.749 is called "border". The border property can be set on classes, ids or directly on the HTML element.

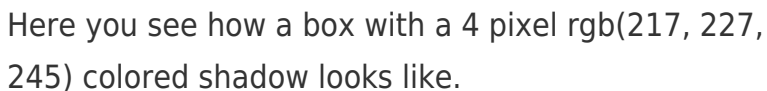
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 227, 245) }
```

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

```
.border{ border-color:rgb(217, 227, 245) }
```

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



Here you see how a box with a 4 pixel `rgb(217, 227, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 227, 245); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 227, 245); box-shadow:4px 4px 4px 4px rgb(217, 227, 245) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 9.890, 270.749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 227, 245) }
```

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

```
.background{ background-color: rgb(217,  
227, 245) }
```

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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