

Converting Colors

CIELCh(90, 9.622, 225.060)

Have a look what the booklet for
CIELCh(90, 9.622, 225.060) contains.

CIELCh(90, 9.690, 224.414)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 9.690, 224.414)

Conversions

Conversions Part 1

Format	Color
Hex	CDE7EF
RGB	205, 231, 239
RGB Percent	80%, 91%, 94%
CMY	0.1964, 0.0944, 0.0630
CMYK	0.14, 0.03, 0.00, 0.06
HSL	194°, 51%, 87%
HSV	194°, 14%, 94%
XYZ	69.2777, 76.3034, 92.6772
YIQ	224.1380, -18.0640, -3.0240

Conversions

Conversions Part 2

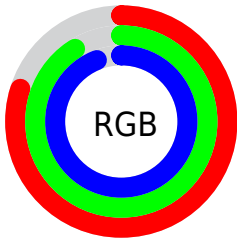
Format	Color
R _Y B	205, 220, 239
Decimal	13494255
CIE Lab	90.00, -6.92, -6.78
CIE LCh	90, 9.690, 224.414
Yxy	76.3034, 0.2908, 0.3203
Android (android.graphics.Color)	4291684335 (0xFFCDE7EF)
YUV	224.1380, 7.3270, -16.7840
Hunter-Lab	87.3518, -11.2993, -1.7584

Details

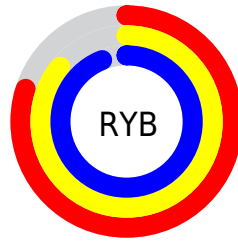
The CIELCh color `90, 9.690, 224.414` is a light color, and the websafe version is hex `CCFFFF`. A complement of this color would be `87, 10.588, 43.095`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 9.771, 225.553` is the 20% darker color. If you saturate the color by 10%, you get `87, 16.026, 225.103`, and if you desaturate by 10%, it is `93, 2.952, 224.013`.

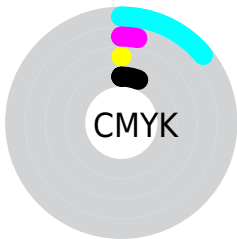
Distribution



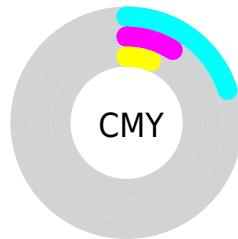
- Red (80%)
- Green (91%)
- Blue (94%)



- Red (80%)
- Yellow (86%)
- Blue (94%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (6%)



- Cyan (20%)
- Magenta (9%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 9.690, 224.414 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, 9.690, 224.414 by changing the saturation by 10% instead.



90, 9.690, 224.414

90, 9.690, 224.414

87, 16.026,
225.103

93, 2.952, 224.013

84, 21.862,
226.066

96, 4.099, 43.276

81, 27.098,
227.347

98, 5.173, 79.883

79, 31.639,
229.020

99, 7.355, 105.165

100, 8.138,
109.559

77, 35.415,
231.175

74, 38.400,
233.906

72, 40.638,
237.294

70, 42.260,
241.375

■ 69, 43.053,
243.953

Harmonies

Complementary

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



90, 9.690, 224.414



87, 10.588, 43.095

Rectangle

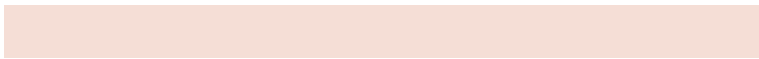
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 9.690, 224.414



90, 9.690, 274.414



90, 9.690, 44.414



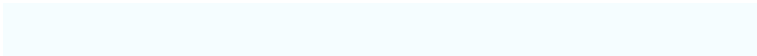
90, 9.690, 94.414

Sweetspot

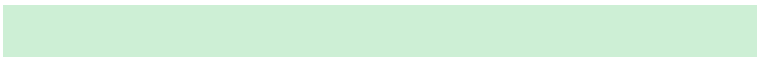
The Sweet Spot groups the original color and five complimentary colors.



90, 9.690, 224.402



99, 2.945, 224.014



91, 18.252, 150.751



52, 2.089, 224.014



0, 0.000, 0.000



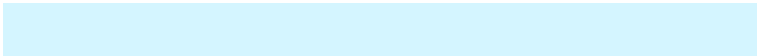
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 9.690, 224.402



94, 12.110, 224.576



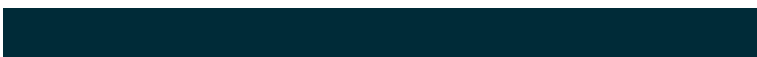
86, 13.386, 277.979



49, 3.927, 224.158



54, 35.206, 243.124



16, 15.005, 236.099

Inverse Universe

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



86, 18.306, 332.698



89, 23.088, 332.893



91, 13.284, 94.358



47, 7.307, 332.371



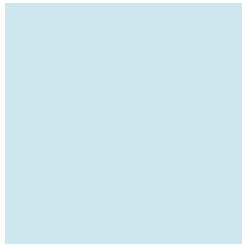
41, 75.370, 340.371



9, 33.693, 338.305

Previews

White Background



This preview shows how the CIELCh color 90, 9.690, 224.414 looks on a white background.

Color Contrast Check

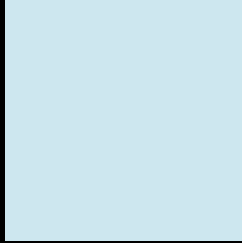
Large Text (above 18pt) WCAG AA × Fail

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, 9.690, 224.414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

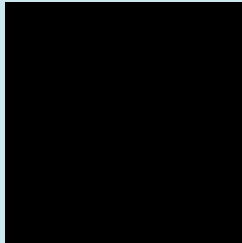
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

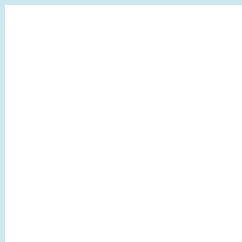
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 9.690, 224.414

Background



This preview shows how black text looks on a background with the CIELCh color 90, 9.690, 224.414.

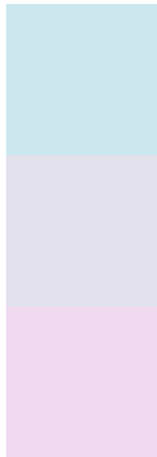


This preview shows how white text looks on a background with the CIELCh color 90, 9.690, 224.414.

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, 9.690, 224.414

Protanopia

90, 5.263, 298.285

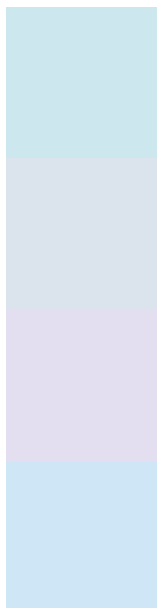
Deuteranopia

90, 13.888, 324.924



Tritanopia
90, 11.960, 250.735

Trichromacy



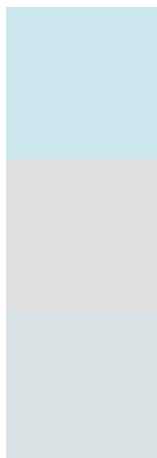
Original Color
90, 9.690, 224.414

Protanomaly
90, 5.402, 259.549

Deuteranomaly
90, 9.050, 301.996

Tritanomaly
90, 11.083, 243.907

Monochromacy



Original Color
90, 9.690, 224.414

Achromatopsia
89, 0.011, 296.813

Achromatomaly
90, 3.652, 215.904

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 9.690, 224.414 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(205, 231, 239)` looks like.

```
.text, #text, p{  
    color:rgb(205, 231, 239)  
}
```

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(205, 231, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 231, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 9.690, 224.414 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(205, 231, 239) }
```

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

```
.border{ border-color:rgb(205, 231, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 231, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 231, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 231, 239);  
box-shadow:4px 4px 4px 4px rgb(205, 231,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 9.690, 224.414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 231, 239) }
```

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

```
.background{ background-color: rgb(205,  
231, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor