

Converting Colors

CIELCh(90, 7.697, 225.113)

Have a look what the booklet for
CIELCh(90, 7.697, 225.113) contains.

CIELCh(90, 7.502, 223.675)	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, 7.502, 223.675)

Conversions

Conversions Part 1

Format	Color
Hex	D2E6EC
RGB	210, 230, 236
RGB Percent	82%, 90%, 93%
CMY	0.1767, 0.0983, 0.0748
CMYK	0.11, 0.03, 0.00, 0.07
HSL	194°, 41%, 87%
HSV	194°, 11%, 93%
XYZ	69.9708, 76.3034, 90.3488
YIQ	224.7040, -13.8460, -2.3740

Conversions

Conversions Part 2

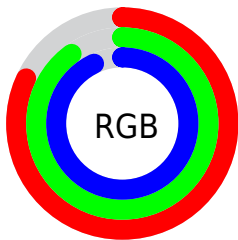
Format	Color
R _Y B	210, 221, 236
Decimal	13821676
CIE Lab	90.00, -5.43, -5.18
CIE LCh	90, 7.502, 223.675
Yxy	76.3034, 0.2957, 0.3225
Android (android.graphics.Color)	4292011756 (0xFFD2E6EC)
YUV	224.7040, 5.5689, -12.8954
Hunter-Lab	87.3518, -9.8830, -0.1780

Details

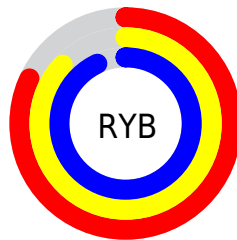
The CIELCh color `90, 7.502, 223.675` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `88, 8.027, 42.650`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 7.638, 219.976` is the 20% darker color. If you saturate the color by 10%, you get `87, 13.920, 224.254`, and if you desaturate by 10%, it is `93, 0.713, 223.970`.

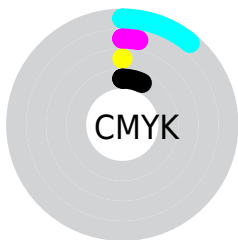
Distribution



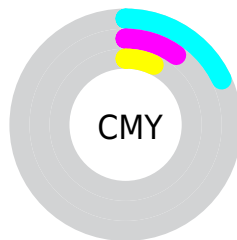
- Red (82%)
- Green (90%)
- Blue (93%)



- Red (82%)
- Yellow (87%)
- Blue (93%)



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)



- Cyan (18%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 7.502, 223.675 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, 7.502, 223.675 by changing the saturation by 10% instead.

■ 90, 7.502, 223.675

■ 90, 7.502, 223.675

■ 100, 7.502,
223.675

■ 80, 7.502, 223.675

■ 70, 7.502, 223.675

■ 60, 7.502, 223.675

■ 50, 7.502, 223.675

■ 40, 7.502, 223.675

■ 30, 7.502, 223.675

■ 20, 7.502, 223.675

■ 10, 7.502, 223.675

■ 0, 7.502, 223.675

90, 7.502, 223.675

90, 7.502, 223.675

87, 13.920,
224.254

93, 0.713, 223.970

84, 19.870,
225.099

96, 5.659, 45.734

82, 25.254,
226.235

97, 6.103, 78.803

79, 29.971,
227.732

99, 8.077, 101.142

100, 9.649,
109.447

77, 33.943,
229.673

74, 37.124,
232.152

72, 39.531,
235.255

71, 41.262,
239.043

■ 69, 42.451,
242.939

Harmonies

Complementary

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



90, 7.502, 223.675



88, 8.027, 42.650

Rectangle

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



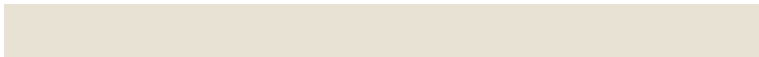
90, 7.502, 223.675



90, 7.502, 273.675



90, 7.502, 43.675



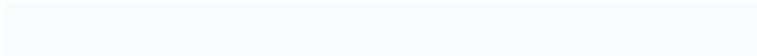
90, 7.502, 93.675

Sweetspot

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



90, 7.502, 223.659



99, 2.218, 223.489



91, 14.141, 150.404



53, 1.678, 223.462



0, 0.000, 0.000



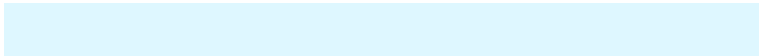
53, 0.007, 296.813

Same Dimension

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



90, 7.502, 223.659



96, 9.377, 223.760



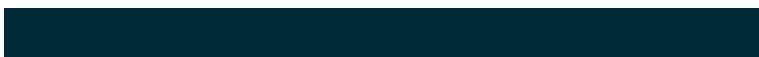
87, 10.034, 276.365



48, 3.865, 223.590



54, 34.691, 242.107



15, 14.526, 234.833

Inverse Universe

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



87, 14.050, 332.307



92, 17.676, 332.446



91, 9.986, 93.556



46, 7.202, 332.200



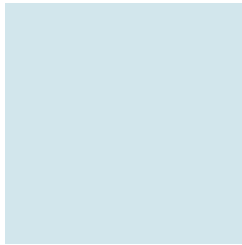
41, 74.847, 340.059



8, 32.851, 337.952

Previews

White Background



This preview shows how the CIELCh color 90, 7.502, 223.675 looks on a white background.

Color Contrast Check

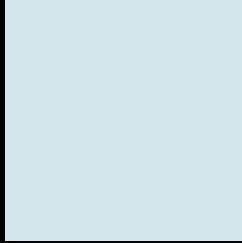
Large Text (above 18pt) WCAG AA × Fail

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, 7.502, 223.675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

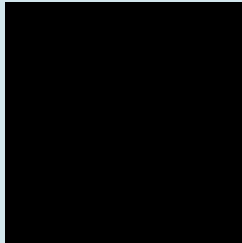
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

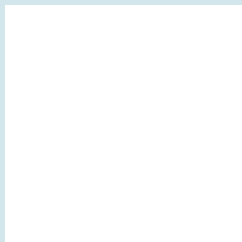
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 7.502, 223.675

Background



This preview shows how black text looks on a background with the CIELCh color 90, 7.502, 223.675.

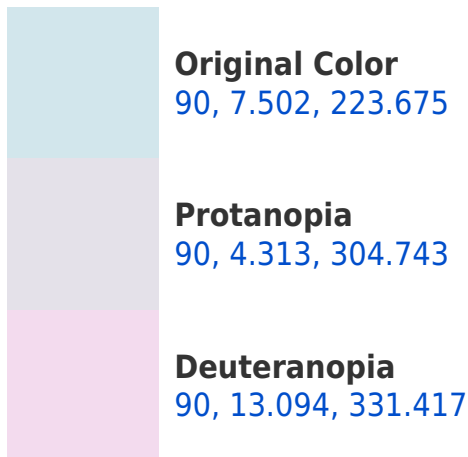


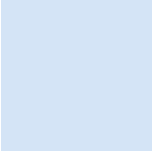
This preview shows how white text looks on a background with the CIELCh color 90, 7.502, 223.675.

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](#).

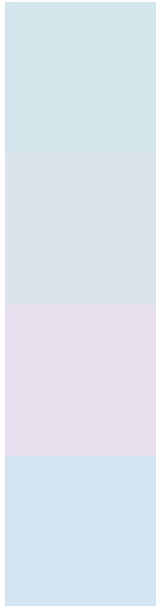
Dichromacy





Tritanopia
90, 10.698, 260.489

Trichromacy



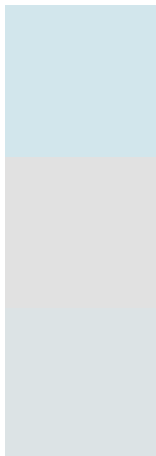
Original Color
90, 7.502, 223.675

Protanomaly
90, 4.173, 260.275

Deuteranomaly
90, 7.849, 311.752

Tritanomaly
90, 9.019, 247.824

Monochromacy



Original Color
90, 7.502, 223.675

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 2.666, 222.444

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 7.502, 223.675 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(210, 230, 236)` looks like.

```
.text, #text, p{  
    color:rgb(210, 230, 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(210, 230, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 230, 236) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 7.502, 223.675 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(210, 230, 236) }
```

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

```
.border{ border-color:rgb(210, 230, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 230, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 230, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 230, 236);  
box-shadow:4px 4px 4px 4px rgb(210, 230,  
236) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 7.502, 223.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 230, 236) }
```

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

```
.background{ background-color: rgb(210,  
230, 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](#).

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