

Converting Colors

CIELCh(90, 7.479, 198.798)

Have a look what the booklet for
CIELCh(90, 7.479, 198.798) contains.

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Color

CIELCh(90, 7.647, 198.965)

Conversions

Conversions Part 1

Format	Color
Hex	D1E7E7
RGB	209, 231, 231
RGB Percent	82%, 91%, 91%
CMY	0.1813, 0.0950, 0.0950
CMYK	0.10, 0.00, 0.00, 0.09
HSL	180°, 31%, 86%
HSV	180°, 10%, 91%
XYZ	69.1345, 76.3034, 86.5170
YIQ	224.4220, -13.1120, -4.6640

Conversions

Conversions Part 2

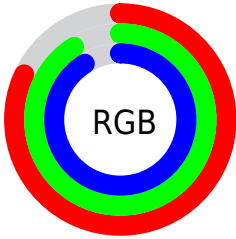
Format	Color
R _Y B	209, 220, 231
Decimal	13756391
CIE Lab	90.00, -7.23, -2.49
CIE LCh	90, 7.647, 198.965
Yxy	76.3034, 0.2981, 0.3290
Android (android.graphics.Color)	4291946471 (0xFFD1E7E7)
YUV	224.4220, 3.2430, -13.5251
Hunter-Lab	87.3518, -11.5920, 2.4229

Details

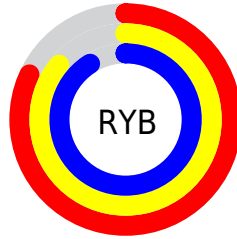
The CIELCh color `90, 7.647, 198.965` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `86, 8.124, 19.929`, and the grayscale version is `89, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 7.642, 198.831` is the 20% darker color. If you saturate the color by 10%, you get `89, 15.226, 198.402`, and if you desaturate by 10%, it is `92, 0.385, 17.822`.

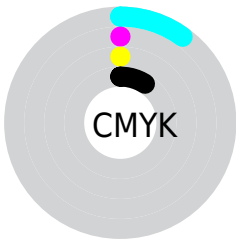
Distribution



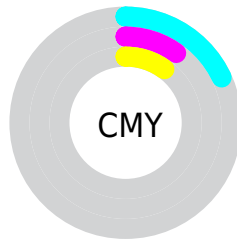
- Red (82%)
- Green (91%)
- Blue (91%)



- Red (82%)
- Yellow (86%)
- Blue (91%)



- Cyan (10%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 7.647, 198.965 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, 7.647, 198.965 by changing the saturation by 10% instead.

■ 90, 7.647, 198.965

■ 90, 7.647, 198.965

■ 100, 7.647,
198.965

■ 80, 7.647, 198.965

■ 70, 7.647, 198.965

■ 60, 7.647, 198.965

■ 50, 7.647, 198.965

■ 40, 7.647, 198.965

■ 30, 7.647, 198.965

■ 20, 7.647, 198.965

■ 10, 7.647, 198.965

■ 0, 7.647, 198.965

90, 7.647, 198.965

90, 7.647, 198.965

89, 15.226,
198.402

92, 0.385, 17.822

87, 22.218,
197.926

93, 8.753, 19.929

86, 28.491,
197.512

93, 8.778, 19.919

85, 33.918,
197.160

93, 8.778, 19.897

85, 38.398,
196.874

93, 8.778, 19.885


84, 41.865,
196.654

93, 8.778, 19.862

84, 44.305,
196.501

93, 8.778, 19.851

83, 45.772,
196.409

 83, 46.451,
196.365

Harmonies

Complementary

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



90, 7.647, 198.965



86, 8.124, 19.929

Rectangle

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



90, 7.647, 198.965



90, 7.647, 248.965



90, 7.647, 18.965



90, 7.647, 68.965

Sweetspot

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



90, 7.648, 198.951



99, 2.650, 199.475



89, 13.909, 143.468



53, 2.005, 199.378



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, 7.648, 198.951



98, 9.531, 198.860



87, 6.755, 254.882



47, 4.537, 198.956



66, 38.350, 196.364



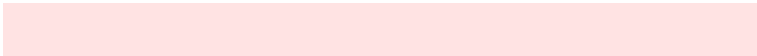
18, 16.093, 196.367

Inverse Universe

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



86, 8.124, 19.929



92, 10.226, 20.052



88, 6.925, 72.388



45, 4.817, 19.923



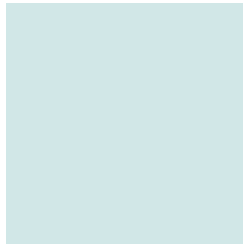
37, 79.977, 39.966



6, 27.104, 21.751

Previews

White Background



This preview shows how the CIELCh color 90, 7.647, 198.965 looks on a white background.

Color Contrast Check

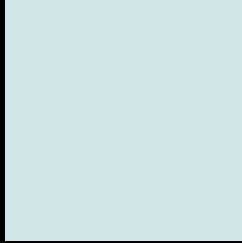
Large Text (above 18pt) WCAG AA × Fail

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, 7.647, 198.965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

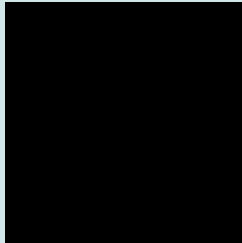
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

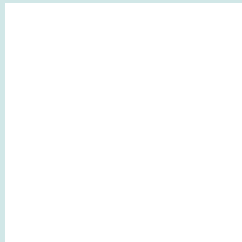
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 7.647, 198.965

Background



This preview shows how black text looks on a background with the CIELCh color 90, 7.647, 198.965.

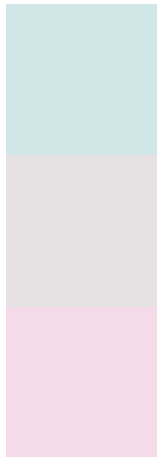


This preview shows how white text looks on a background with the CIELCh color 90, 7.647, 198.965.

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, 7.647, 198.965

Protanopia

90, 2.084, 349.371

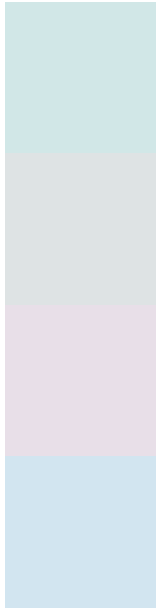
Deuteranopia

90, 11.852, 342.463



Tritanopia
90, 10.861, 258.953

Trichromacy



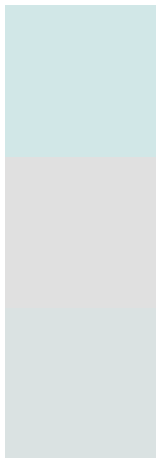
Original Color
90, 7.647, 198.965

Protanomaly
90, 1.840, 216.036

Deuteranomaly
90, 5.706, 324.605

Tritanomaly
90, 8.553, 241.200

Monochromacy



Original Color
90, 7.647, 198.965

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 2.832, 199.422

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 7.647, 198.965 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(209, 231, 231)` looks like.

```
.text, #text, p{  
    color:rgb(209, 231, 231)  
}
```

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(209, 231, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 231, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 7.647, 198.965 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(209, 231, 231) }
```

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

```
.border{ border-color:rgb(209, 231, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 231, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(209, 231, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(209, 231, 231); box-shadow:4px 4px 4px 4px rgb(209, 231, 231) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 7.647, 198.965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 231, 231) }
```

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

```
.background{ background-color: rgb(209,  
231, 231) }
```

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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