

Converting Colors

CIELCh(90, 3.235, 199.414)

Have a look what the booklet for
CIELCh(90, 3.235, 199.414) contains.

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Color

CIELCh(90, 3.178, 199.377)

Conversions

Conversions Part 1

Format	Color
Hex	DBE4E4
RGB	219, 228, 228
RGB Percent	86%, 89%, 89%
CMY	0.1404, 0.1051, 0.1051
CMYK	0.04, 0.00, 0.00, 0.11
HSL	180°, 14%, 88%
HSV	180°, 4%, 89%
XYZ	71.1058, 76.3034, 84.5277
YIQ	225.3090, -5.3640, -1.9080

Conversions

Conversions Part 2

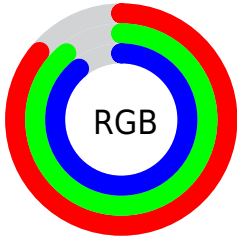
Format	Color
R _Y B	219, 224, 228
Decimal	14410980
CIE Lab	90.00, -3.00, -1.05
CIE LCh	90, 3.178, 199.377
Yxy	76.3034, 0.3066, 0.3290
Android (android.graphics.Color)	4292601060 (0xFFD _B E4E4)
YUV	225.3090, 1.3267, -5.5330
Hunter-Lab	87.3518, -7.5638, 3.7731

Details

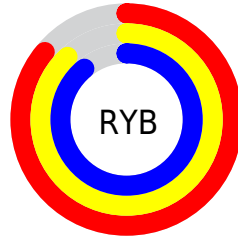
The CIELCh color `90, 3.178, 199.377` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `88, 3.260, 19.423`, and the grayscale version is `90, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 3.337, 199.271` is the 20% darker color. If you saturate the color by 10%, you get `88, 10.956, 198.674`, and if you desaturate by 10%, it is `92, 4.980, 19.596`.

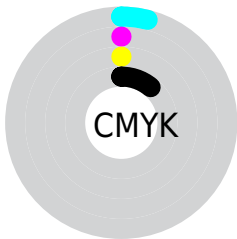
Distribution



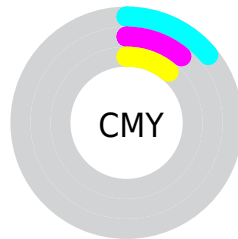
- Red (86%)
- Green (89%)
- Blue (89%)



- Red (86%)
- Yellow (88%)
- Blue (89%)



- Cyan (4%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (14%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 3.178, 199.377 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, 3.178, 199.377 by changing the saturation by 10% instead.

■ 90, 3.178, 199.377

■ 90, 3.178, 199.377

■ 100, 3.178,
199.377

■ 80, 3.178, 199.377

■ 70, 3.178, 199.377

■ 60, 3.178, 199.377

■ 50, 3.178, 199.377

■ 40, 3.178, 199.377

■ 30, 3.178, 199.377

■ 20, 3.178, 199.377

■ 10, 3.178, 199.377

■ 0, 3.178, 199.377

90, 3.178, 199.377

90, 3.178, 199.377

88, 10.956,
198.674

92, 4.980, 19.596

87, 18.227,
198.161

93, 9.747, 19.978

86, 24.859,
197.711

93, 9.747, 19.949

85, 30.723,
197.322

93, 9.747, 19.892

84, 35.702,
196.998

93, 9.747, 19.863

83, 39.709,
196.739

93, 9.747, 19.806

83, 42.699,
196.547

93, 9.746, 19.778

83, 44.687,
196.418

■ 83, 45.758,
196.346

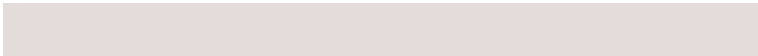
Harmonies

Complementary

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



90, 3.178, 199.377



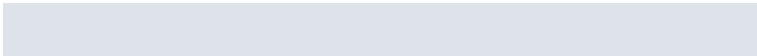
88, 3.260, 19.423

Rectangle

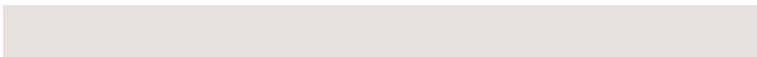
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



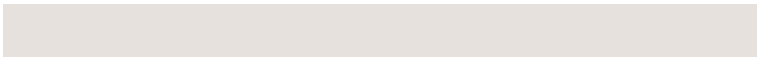
90, 3.178, 199.377



90, 3.178, 249.377



90, 3.178, 19.377



90, 3.178, 69.377

Sweetspot

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



90, 3.179, 199.342



100, 0.886, 200.062



90, 5.677, 143.831



53, 0.504, 200.104



0, 0.000, 0.000



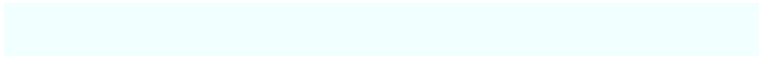
53, 0.007, 296.813

Same Dimension

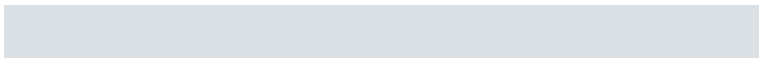
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 3.179, 199.342



99, 4.397, 199.242



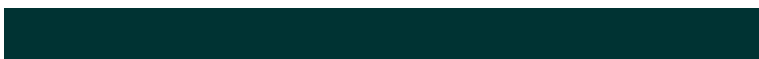
89, 2.783, 254.225



48, 2.747, 199.190



66, 38.358, 196.323



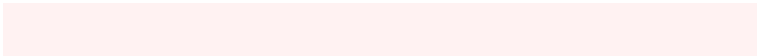
18, 16.096, 196.332

Inverse Universe

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



88, 3.260, 19.423



97, 4.539, 19.533



89, 2.799, 72.972



46, 2.847, 19.591



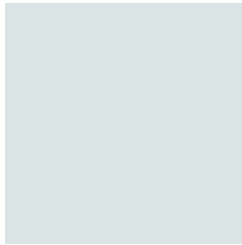
37, 79.965, 39.955



6, 27.103, 21.740

Previews

White Background



This preview shows how the CIELCh color 90, 3.178, 199.377 looks on a white background.

Color Contrast Check

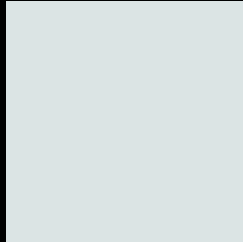
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 3.178, 199.377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

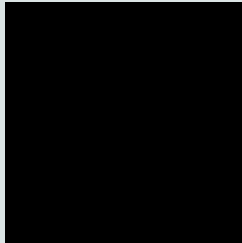
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

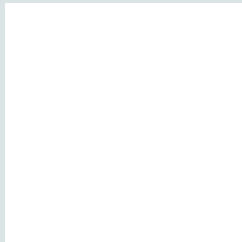
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 3.178, 199.377

Background



This preview shows how black text looks on a background with the CIELCh color 90, 3.178, 199.377.

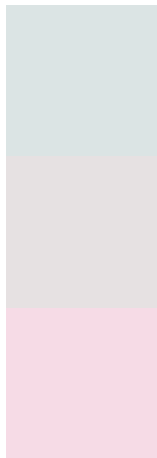


This preview shows how white text looks on a background with the CIELCh color 90, 3.178, 199.377.

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](#).

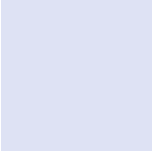
Dichromacy



Original Color
90, 3.178, 199.377

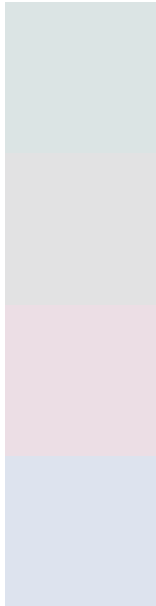
Protanopia
90, 1.874, 3.144

Deuteranopia
90, 11.304, 349.926



Tritanopia
90, 9.434, 282.559

Trichromacy



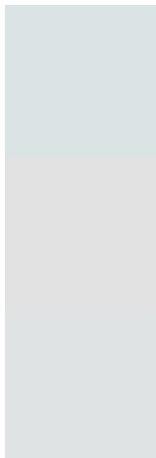
Original Color
90, 3.178, 199.377

Protanomaly
90, 0.530, 290.353

Deuteranomaly
90, 6.227, 344.068

Tritanomaly
90, 6.051, 270.503

Monochromacy



Original Color
90, 3.178, 199.377

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.065, 199.901

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 3.178, 199.377 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(219, 228, 228)` looks like.

```
.text, #text, p{  
    color:rgb(219, 228, 228)  
}
```

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(219, 228, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 228, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 3.178, 199.377 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(219, 228, 228) }
```

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

```
.border{ border-color:rgb(219, 228, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 228, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 228, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 228, 228);  
box-shadow:4px 4px 4px 4px rgb(219, 228,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 3.178, 199.377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 228, 228) }
```

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

```
.background{ background-color: rgb(219,  
228, 228) }
```

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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