

Converting Colors

CIELCh(90, 3.555, 199.002)

Have a look what the booklet for
CIELCh(90, 3.555, 199.002) contains.

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Color

CIELCh(90, 3.528, 199.334)

Conversions

Conversions Part 1

Format	Color
Hex	DAE4E4
RGB	218, 228, 228
RGB Percent	85%, 89%, 89%
CMY	0.1435, 0.1043, 0.1043
CMYK	0.04, 0.00, 0.00, 0.10
HSL	180°, 16%, 88%
HSV	180°, 4%, 90%
XYZ	70.9503, 76.3034, 84.6845
YIQ	225.0100, -5.9600, -2.1200

Conversions

Conversions Part 2

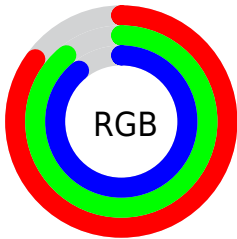
Format	Color
R _Y B	218, 223, 228
Decimal	14345444
CIE Lab	90.00, -3.33, -1.17
CIE LCh	90, 3.528, 199.334
Yxy	76.3034, 0.3059, 0.3290
Android (android.graphics.Color)	4292535524 (0xFFDAE4E4)
YUV	225.0100, 1.4741, -6.1478
Hunter-Lab	87.3518, -7.8814, 3.6667

Details

The CIELCh color `90, 3.528, 199.334` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `88, 3.628, 19.473`, 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, 3.703, 199.225` is the 20% darker color. If you saturate the color by 10%, you get `88, 11.292, 198.653`, and if you desaturate by 10%, it is `92, 4.622, 19.564`.

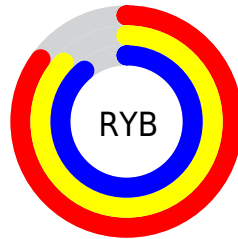
Distribution



Red (85%)

Green (89%)

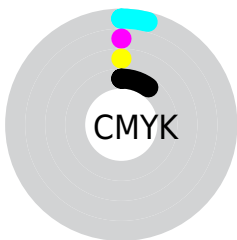
Blue (89%)



Red (85%)

Yellow (87%)

Blue (89%)

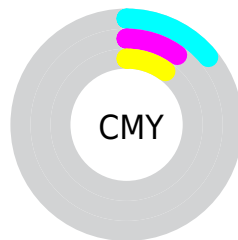


Cyan (4%)

Magenta (0%)

Yellow (0%)

Black (10%)



Cyan (14%)

Magenta (10%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 3.528, 199.334 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, 3.528, 199.334 by changing the saturation by 10% instead.

90, 3.528, 199.334

90, 3.528, 199.334

100, 3.528,
199.334

80, 3.528, 199.334

70, 3.528, 199.334

60, 3.528, 199.334

50, 3.528, 199.334

40, 3.528, 199.334

30, 3.528, 199.334

20, 3.528, 199.334

10, 3.528, 199.334

0, 3.528, 199.334

90, 3.528, 199.334

90, 3.528, 199.334

88, 11.292,
198.653

92, 4.622, 19.564

87, 18.543,
198.144

93, 9.670, 19.977

86, 25.149,
197.697

93, 9.670, 19.951

85, 30.981,
197.311

93, 9.670, 19.899

84, 35.922,
196.989

93, 9.670, 19.872

83, 39.887,
196.734

93, 9.669, 19.820

83, 42.835,
196.545

93, 9.669, 19.794

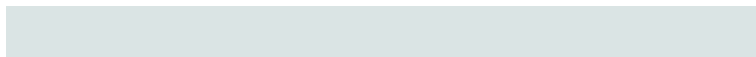
83, 44.782,
196.419

■ 83, 45.816,
196.350

Harmonies

Complementary

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



90, 3.528, 199.334



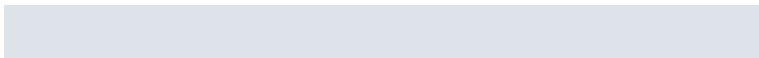
88, 3.628, 19.473

Rectangle

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



90, 3.528, 199.334



90, 3.528, 249.334



90, 3.528, 19.334



90, 3.528, 69.334

Sweetspot

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



90, 3.529, 199.303



100, 0.886, 200.065



90, 6.311, 143.801



53, 0.504, 200.107



0, 0.000, 0.000



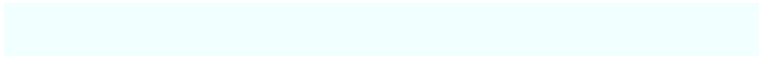
53, 0.007, 296.813

Same Dimension

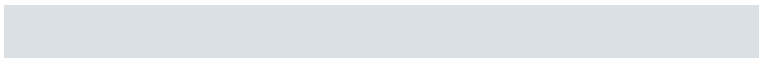
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 3.529, 199.303



99, 4.397, 199.245



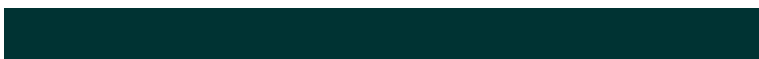
89, 3.091, 254.266



48, 2.747, 199.193



66, 38.357, 196.329



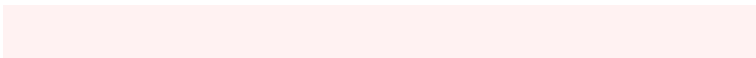
18, 16.095, 196.338

Inverse Universe

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



88, 3.628, 19.473



97, 4.539, 19.536



89, 3.114, 72.935



46, 2.847, 19.594



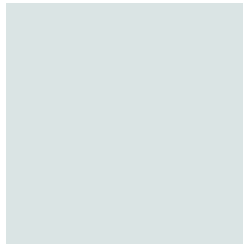
37, 79.967, 39.956



6, 27.104, 21.742

Previews

White Background



This preview shows how the CIELCh color 90, 3.528, 199.334 looks on a white background.

Color Contrast Check

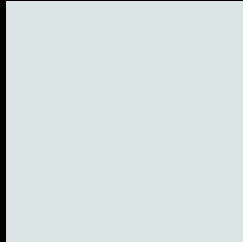
Large Text (above 18pt) WCAG AA × Fail

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, 3.528, 199.334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

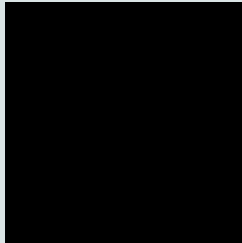
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

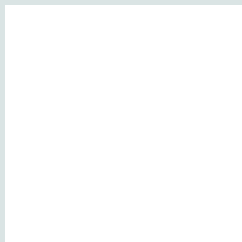
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 3.528, 199.334

Background



This preview shows how black text looks on a background with the CIELCh color 90, 3.528, 199.334.

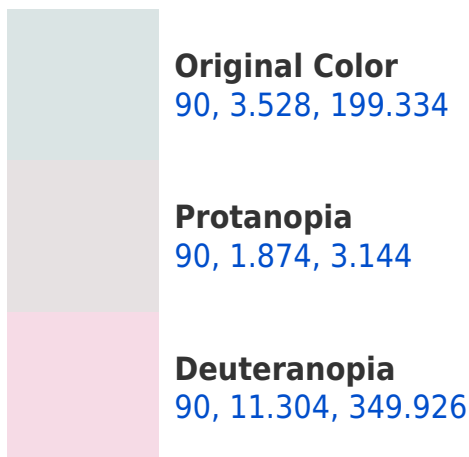


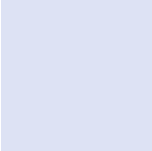
This preview shows how white text looks on a background with the CIELCh color 90, 3.528, 199.334.

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](#).

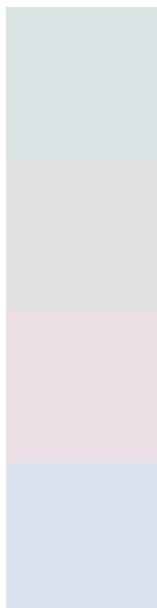
Dichromacy





Tritanopia
90, 9.483, 280.509

Trichromacy



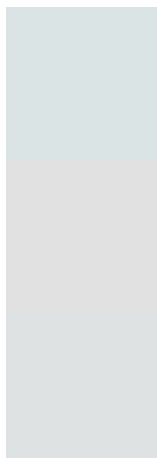
Original Color
90, 3.528, 199.334

Protanomaly
90, 0.530, 290.353

Deuteranomaly
90, 6.227, 344.068

Tritanomaly
90, 6.172, 267.474

Monochromacy



Original Color
90, 3.528, 199.334

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 1.066, 199.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 3.528, 199.334 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(218, 228, 228)` looks like.

```
.text, #text, p{  
    color:rgb(218, 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(218, 228, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 228, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 3.528, 199.334 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(218, 228, 228) }
```

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

```
.border{ border-color:rgb(218, 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(218, 228, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 228, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 228, 228);  
box-shadow:4px 4px 4px 4px rgb(218, 228,  
228) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 3.528, 199.334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 228, 228) }
```

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

```
.background{ background-color: rgb(218,  
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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