

Converting Colors

CIELCh(90, 18.256, 109.772)

Have a look what the booklet for
CIELCh(90, 18.256, 109.772)
contains.

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Color

CIELCh(90, 18.576, 109.817)

Conversions

Conversions Part 1

Format	Color
Hex	E4E5C1
RGB	228, 229, 193
RGB Percent	89%, 90%, 76%
CMY	0.1063, 0.1023, 0.2435
CMYK	0.00, 0.00, 0.16, 0.10
HSL	62°, 41%, 83%
HSV	62°, 16%, 90%
XYZ	69.5663, 76.3034, 61.4543
YIQ	224.5970, 10.9600, -11.4080

Conversions

Conversions Part 2

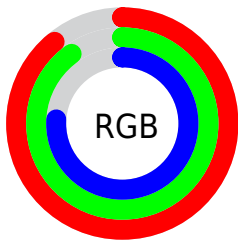
Format	Color
R _Y B	193, 229, 194
Decimal	15001025
CIE Lab	90.00, -6.30, 17.48
CIE LCh	90, 18.576, 109.817
Yxy	76.3034, 0.3355, 0.3680
Android (android.graphics.Color)	4293191105 (0xFFE4E5C1)
YUV	224.5970, -15.5773, 2.9844
Hunter-Lab	87.3518, -10.7096, 19.4342

Details

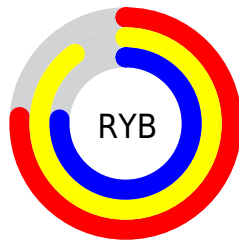
The CIELCh color **90, 18.576, 109.817** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **79, 19.261, 292.913**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 2.525, 109.959**, and **70, 19.000, 110.686** is the 20% darker color. If you saturate the color by 10%, you get **90, 30.255, 108.893**, and if you desaturate by 10%, it is **91, 6.776, 110.745**.

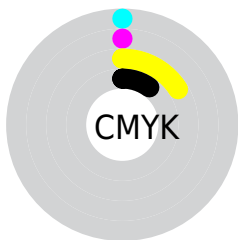
Distribution



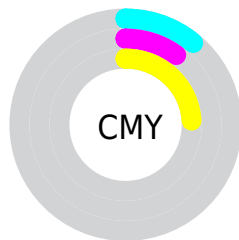
- Red (89%)
- Green (90%)
- Blue (76%)



- Red (76%)
- Yellow (90%)
- Blue (76%)



- Cyan (0%)
- Magenta (0%)
- Yellow (16%)
- Black (10%)





- Cyan (11%)
- Magenta (10%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 18.576, 109.817 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, 18.576, 109.817 by changing the saturation by 10% instead.


 90, 18.576,
109.817


 90, 18.576,
109.817


 100, 18.576,
109.817


 80, 18.576,
109.817


 70, 18.576,
109.817

 60, 18.576,
109.817

 50, 18.576,
109.817

 40, 18.576,
109.817

 30, 18.576,
109.817

 20, 18.576,

109.817

■ 10, 18.576,
109.817

■ 0, 18.576, 109.817

■ 90, 18.576,
109.817

■ 90, 18.576,
109.817

■ 90, 30.255,
108.893

■ 91, 6.776, 110.745

■ 89, 41.695,
107.977

■ 91, 5.078, 291.676

■ 89, 52.724,
107.099

■ 92, 13.536,
292.567

■ 88, 63.073,
106.291

■ 92, 13.545,
293.486

■ 92, 13.559,
294.404

■ 88, 72.351,
105.591

■ 92, 13.575,
295.321

■ 88, 80.034,
105.049

■ 92, 13.595,
296.238

■ 88, 85.561,
104.711

■ 92, 13.619,
297.152

■ 88, 88.591,
104.604

■ 92, 13.645,
298.064

■ 88, 89.376,
104.605

Harmonies

Complementary

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



90, 18.576, 109.817



79, 19.261, 292.913

Rectangle

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



90, 18.576, 109.817



90, 18.576, 159.817



90, 18.576, 289.817



90, 18.576, 339.817

Sweetspot

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



90, 18.578, 109.822



100, 6.456, 110.808



81, 13.424, 21.772



53, 4.405, 110.744



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, 18.578, 109.822



99, 24.468, 109.507



89, 19.922, 128.951



48, 6.733, 110.403



70, 74.203, 104.577



20, 29.317, 105.219

Inverse Universe

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



79, 19.261, 292.913



84, 25.575, 293.323



81, 20.340, 310.358



44, 6.884, 292.214



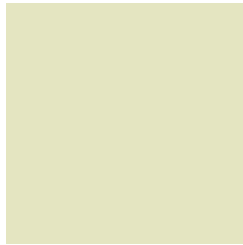
21, 102.247, 306.373



2, 33.724, 297.446

Previews

White Background



This preview shows how the CIELCh color 90, 18.576, 109.817 looks on a white background.

Color Contrast Check

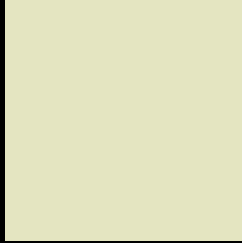
Large Text (above 18pt) WCAG AA × Fail

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, 18.576, 109.817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

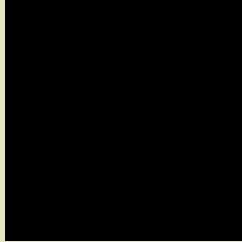
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

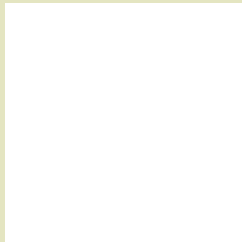
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 18.576, 109.817

Background



This preview shows how black text looks on a background with the CIELCh color 90, 18.576, 109.817.



This preview shows how white text looks on a background with the CIELCh color 90, 18.576, 109.817.

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, 18.576, 109.817

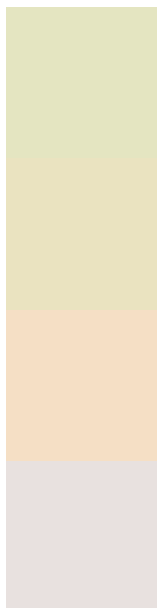
Protanopia
90, 18.654, 94.471

Deuteranopia
90, 16.951, 55.399



Tritanopia
90, 10.322, 314.962

Trichromacy



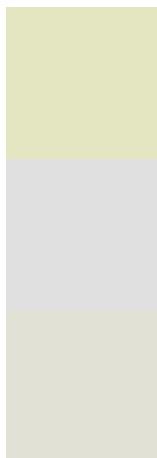
Original Color
90, 18.576, 109.817

Protanomaly
90, 18.264, 100.314

Deuteranomaly
90, 15.873, 77.263

Tritanomaly
90, 2.717, 41.744

Monochromacy



Original Color
90, 18.576, 109.817

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 6.746, 112.715

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 18.576, 109.817 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(228, 229, 193)` looks like.

```
.text, #text, p{  
    color:rgb(228, 229, 193)  
}
```

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(228, 229, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 229, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 18.576, 109.817 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(228, 229, 193) }
```

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

```
.border{ border-color:rgb(228, 229, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 229, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 229, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 229, 193); box-shadow:4px 4px 4px 4px rgb(228, 229, 193) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 18.576, 109.817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 229, 193) }
```

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

```
.background{ background-color: rgb(228,  
229, 193) }
```

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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