

Converting Colors

CIELCh(90, 17.532, 108.759)

Have a look what the booklet for
CIELCh(90, 17.532, 108.759)
contains.

CIELCh(90, 17.542, 108.738)	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, 17.542, 108.738)

Conversions

Conversions Part 1

Format	Color
Hex	E5E5C3
RGB	229, 229, 195
RGB Percent	90%, 90%, 76%
CMY	0.1037, 0.1037, 0.2370
CMYK	0.00, 0.00, 0.15, 0.10
HSL	60°, 39%, 83%
HSV	60°, 15%, 90%
XYZ	69.8735, 76.3034, 62.4227
YIQ	225.1240, 10.9140, -10.5740

Conversions

Conversions Part 2

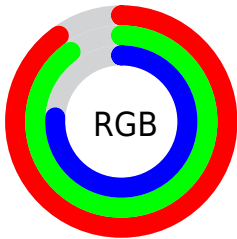
Format	Color
R _Y B	195, 229, 195
Decimal	15066563
CIE Lab	90.00, -5.64, 16.61
CIE LCh	90, 17.542, 108.738
Yxy	76.3034, 0.3350, 0.3658
Android (android.graphics.Color)	4293256643 (0xFFE5E5C3)
YUV	225.1240, -14.8511, 3.3993
Hunter-Lab	87.3518, -10.0818, 18.7768

Details

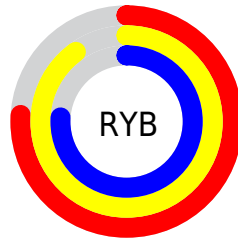
The CIELCh color **90, 17.542, 108.738** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **80, 18.152, 291.800**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 1.510, 110.014**, and **70, 17.907, 109.653** is the 20% darker color. If you saturate the color by 10%, you get **90, 29.219, 107.771**, and if you desaturate by 10%, it is **91, 5.754, 109.706**.

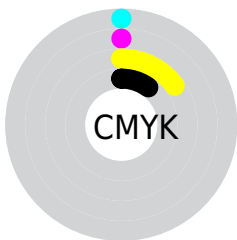
Distribution



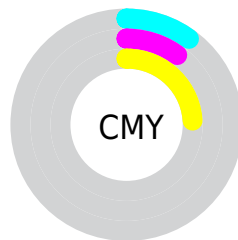
- Red (90%)
- Green (90%)
- Blue (76%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (15%)
- Black (10%)





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

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 17.542, 108.738 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, 17.542, 108.738 by changing the saturation by 10% instead.


 90, 17.542,
108.738


 90, 17.542,
108.738


 100, 17.542,
108.738

 80, 17.542,
108.738


 70, 17.542,
108.738

 60, 17.542,
108.738

 50, 17.542,
108.738

 40, 17.542,
108.738

 30, 17.542,
108.738

 20, 17.542,

108.738

■ 10, 17.542,
108.738

■ 0, 17.542, 108.738

■ 90, 17.542,
108.738

■ 90, 17.542,
108.738

■ 90, 29.219,
107.771

■ 91, 5.754, 109.706

■ 89, 40.670,
106.811

■ 91, 6.083, 290.684

■ 89, 51.729,
105.886

■ 92, 13.704,
291.280

■ 89, 62.136,
105.024

■ 92, 13.704,
291.287

■ 92, 13.704,
291.293

■ 88, 71.510,
104.259

■ 92, 13.704,
291.300

■ 88, 79.335,
103.634

■ 92, 13.704,
291.306

■ 88, 85.047,
103.185

■ 92, 13.704,
291.312

■ 88, 88.275,
102.936

■ 92, 13.704,
291.319

■ 88, 89.215,
102.864

Harmonies

Complementary

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



90, 17.542, 108.738



80, 18.152, 291.800

Rectangle

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



90, 17.542, 108.738



90, 17.542, 158.738



90, 17.542, 288.738



90, 17.542, 338.738

Sweetspot

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



90, 17.544, 108.744



100, 5.161, 109.785



81, 12.843, 20.378



53, 3.669, 109.715



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, 17.544, 108.744



99, 23.180, 108.429



89, 18.739, 128.404



48, 6.730, 109.268



71, 74.153, 102.864



20, 29.318, 103.666

Inverse Universe

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



80, 18.152, 291.800



85, 24.169, 292.206



81, 19.126, 309.747



44, 6.881, 291.169



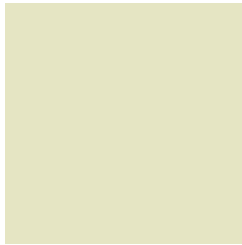
21, 102.390, 306.288



2, 33.678, 296.780

Previews

White Background



This preview shows how the CIELCh color 90, 17.542, 108.738 looks on a white background.

Color Contrast Check

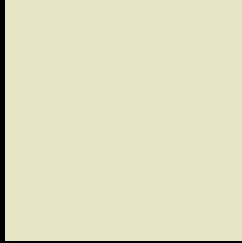
Large Text (above 18pt) WCAG AA × Fail

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, 17.542, 108.738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

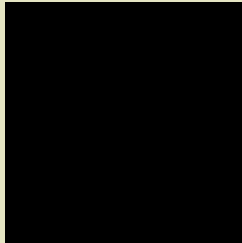
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

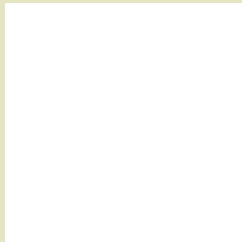
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 17.542, 108.738

Background



This preview shows how black text looks on a background with the CIELCh color 90, 17.542, 108.738.

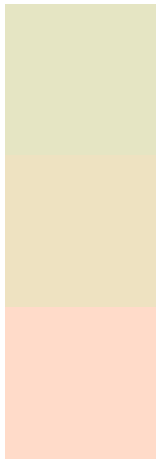


This preview shows how white text looks on a background with the CIELCh color 90, 17.542, 108.738.

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, 17.542, 108.738

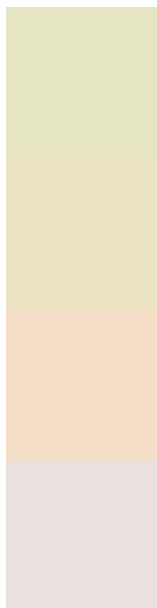
Protanopia
90, 17.653, 93.779

Deuteranopia
90, 16.632, 54.030



Tritanopia
90, 10.472, 316.729

Trichromacy



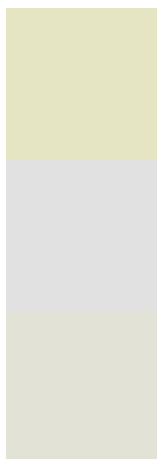
Original Color
90, 17.542, 108.738

Protanomaly
90, 17.306, 98.681

Deuteranomaly
90, 14.790, 73.068

Tritanomaly
90, 3.285, 28.519

Monochromacy



Original Color
90, 17.542, 108.738

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 6.214, 109.657

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 17.542, 108.738 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(229, 229, 195)` looks like.

```
.text, #text, p{  
    color:rgb(229, 229, 195)  
}
```

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(229, 229, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 229, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 17.542, 108.738 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(229, 229, 195) }
```

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

```
.border{ border-color:rgb(229, 229, 195) }
```

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

Here you see how a box with a 4 pixel rgb(229, 229, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 229, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 229, 195);  
box-shadow:4px 4px 4px 4px rgb(229, 229,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 17.542, 108.738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 229, 195) }
```

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

```
.background{ background-color: rgb(229,  
229, 195) }
```

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