

Converting Colors

CIELCh(90, 16.471, 108.487)

Have a look what the booklet for
CIELCh(90, 16.471, 108.487)
contains.

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Color

CIELCh(90, 16.528, 107.514)

Conversions

Conversions Part 1

Format	Color
Hex	E5E4C4
RGB	229, 228, 196
RGB Percent	90%, 89%, 77%
CMY	0.1011, 0.1050, 0.2305
CMYK	0.00, 0.00, 0.14, 0.10
HSL	58°, 39%, 83%
HSV	58°, 14%, 90%
XYZ	70.1812, 76.3034, 63.3862
YIQ	224.6510, 10.8680, -9.7400

Conversions

Conversions Part 2

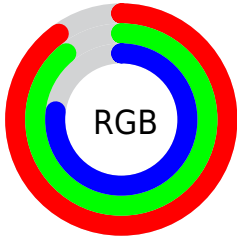
Format	Color
RYB	197, 229, 196
Decimal	15066308
CIELab	90.00, -4.97, 15.76
CIELCh	90, 16.528, 107.514
Yxy	76.3034, 0.3344, 0.3636
Android (android.graphics.Color)	4293256388 (0xFFE5E4C4)
YUV	224.6510, -14.1249, 3.8141
Hunter-Lab	87.3518, -9.4531, 18.1229

Details

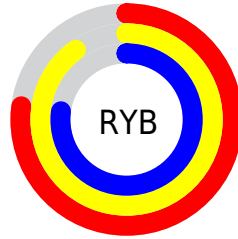
The CIELCh color **90, 16.528, 107.514** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **80, 17.051, 290.542**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 1.003, 110.026**, and **70, 16.839, 108.471** is the 20% darker color. If you saturate the color by 10%, you get **89, 27.922, 106.518**, and if you desaturate by 10%, it is **91, 5.050, 108.504**.

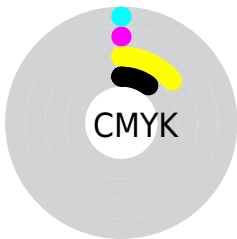
Distribution



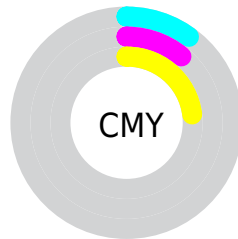
- Red (90%)
- Green (89%)
- Blue (77%)



- Red (77%)
- Yellow (90%)
- Blue (77%)



- Cyan (0%)
- Magenta (0%)
- Yellow (14%)
- Black (10%)





- Cyan (10%)
- Magenta (11%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 16.528, 107.514 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, 16.528, 107.514 by changing the saturation by 10% instead.


 90, 16.528,
107.514


 90, 16.528,
107.514


 100, 16.528,
107.514


 80, 16.528,
107.514


 70, 16.528,
107.514

 60, 16.528,
107.514

 50, 16.528,
107.514

 40, 16.528,
107.514

 30, 16.528,
107.514

 20, 16.528,

107.514

■ 10, 16.528,
107.514

■ 0, 16.528, 107.514

■ 90, 16.528,
107.514

■ 90, 16.528,
107.514

■ 89, 27.922,
106.518

■ 91, 5.050, 108.504

■ 89, 39.127,
105.521

■ 91, 6.456, 289.508

■ 88, 49.988,
104.549

■ 92, 12.784,
289.552

■ 88, 60.261,
103.627

■ 92, 12.424,
288.390

■ 92, 12.071,
287.162

■ 87, 69.573,
102.785

■ 93, 11.723,
285.861

■ 87, 77.410,
102.058

■ 93, 11.381,
284.483

■ 87, 83.180,
101.480

■ 93, 11.046,
283.023

■ 87, 86.444,
101.068

■ 93, 10.719,
281.474

■ 87, 87.413,
100.892

Harmonies

Complementary

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



90, 16.528, 107.514



80, 17.051, 290.542

Rectangle

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



90, 16.528, 107.514



90, 16.528, 157.514



90, 16.528, 287.514



90, 16.528, 337.514

Sweetspot

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



90, 16.530, 107.520



100, 5.006, 108.539



82, 12.427, 17.678



53, 3.559, 108.468



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

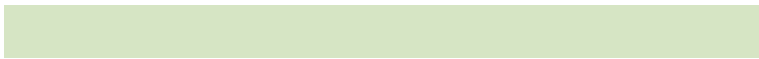
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 16.530, 107.520



99, 21.265, 107.250



89, 18.045, 127.235



48, 6.530, 108.011



69, 72.522, 100.925



20, 28.520, 102.034

Inverse Universe

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



80, 17.051, 290.542



86, 22.065, 290.883



81, 18.432, 308.577



44, 6.669, 289.958



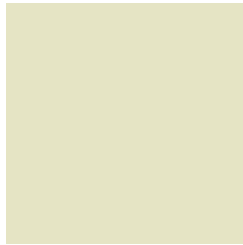
21, 100.990, 305.909



2, 32.969, 296.198

Previews

White Background



This preview shows how the CIELCh color 90, 16.528, 107.514 looks on a white background.

Color Contrast Check

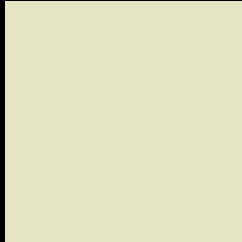
Large Text (above 18pt) WCAG AA × Fail

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, 16.528, 107.514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

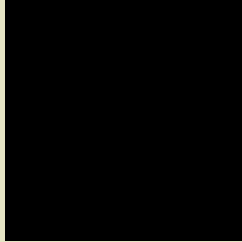
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

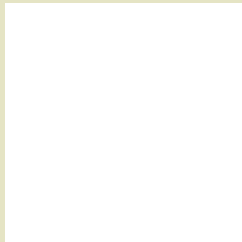
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 16.528, 107.514

Background



This preview shows how black text looks on a background with the CIELCh color 90, 16.528, 107.514.



This preview shows how white text looks on a background with the CIELCh color 90, 16.528, 107.514.

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, 16.528, 107.514

Protanopia

90, 16.554, 94.264

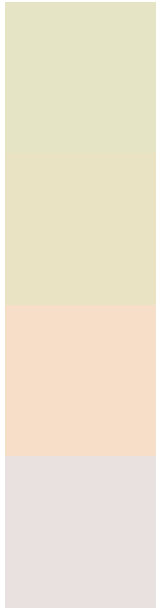
Deuteranopia

90, 16.322, 52.607



Tritanopia
90, 10.472, 316.729

Trichromacy



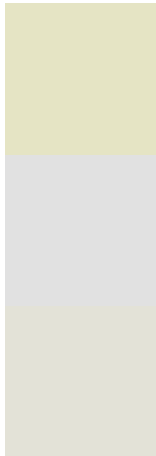
Original Color
90, 16.528, 107.514

Protanomaly
90, 16.735, 99.713

Deuteranomaly
90, 14.604, 70.744

Tritanomaly
90, 3.244, 19.449

Monochromacy



Original Color
90, 16.528, 107.514

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 5.703, 106.038

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 16.528, 107.514 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, 228, 196)` looks like.

```
.text, #text, p{  
    color:rgb(229, 228, 196)  
}
```

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, 228, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 228, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 16.528, 107.514 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, 228, 196) }
```

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

```
.border{ border-color:rgb(229, 228, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 228, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 228, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 228, 196);  
box-shadow:4px 4px 4px 4px rgb(229, 228,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 16.528, 107.514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 228, 196) }
```

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

```
.background{ background-color: rgb(229,  
228, 196) }
```

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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