

Converting Colors

CIELCh(90, 15.972, 95.177)

Have a look what the booklet for
CIELCh(90, 15.972, 95.177) contains.

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Color

CIELCh(90, 15.958, 95.186)

Conversions

Conversions Part 1

Format	Color
Hex	ECE2C4
RGB	236, 226, 196
RGB Percent	93%, 89%, 77%
CMY	0.0740, 0.1132, 0.2309
CMYK	0.00, 0.04, 0.17, 0.07
HSL	45°, 51%, 85%
HSV	45°, 17%, 93%
XYZ	71.8393, 76.3034, 63.2373
YIQ	225.5700, 15.5900, -7.2100

Conversions

Conversions Part 2

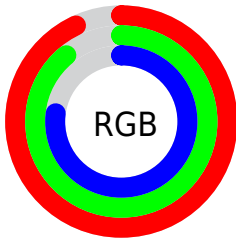
Format	Color
R _Y B	209, 236, 196
Decimal	15524548
CIE Lab	90.00, -1.44, 15.89
CIE LCh	90, 15.958, 95.186
Yxy	76.3034, 0.3399, 0.3610
Android (android.graphics.Color)	4293714628 (0xFFECE2C4)
YUV	225.5700, -14.5780, 9.1471
Hunter-Lab	87.3518, -6.0647, 18.2240

Details

The CIELCh color **90, 15.958, 95.186** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **83, 16.144, 279.496**, 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, 16.193, 95.611** is the 20% darker color. If you saturate the color by 10%, you get **88, 25.517, 93.947**, and if you desaturate by 10%, it is **92, 6.493, 96.389**.

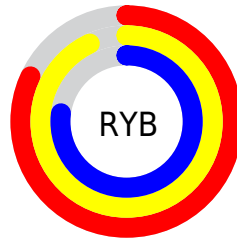
Distribution



Red (93%)

Green (89%)

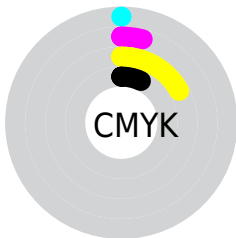
Blue (77%)



Red (82%)

Yellow (93%)

Blue (77%)

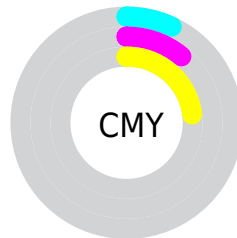


Cyan (0%)

Magenta (4%)

Yellow (17%)

Black (7%)



Cyan (7%)

Magenta (11%)

Yellow (23%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 15.958, 95.186 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, 15.958, 95.186 by changing the saturation by 10% instead.

 90, 15.958, 95.186

 90, 15.958, 95.186

 100, 15.958,
95.186

 80, 15.958, 95.186

 70, 15.958, 95.186

 60, 15.958, 95.186

 50, 15.958, 95.186

 40, 15.958, 95.186

 30, 15.958, 95.186

 20, 15.958, 95.186

 10, 15.958, 95.186

 0, 15.958, 95.186

90, 15.958, 95.186

90, 15.958, 95.186

88, 25.517, 93.947

92, 6.493, 96.389

86, 35.109, 92.662

94, 2.857, 277.667

84, 44.632, 91.347

96, 6.265, 265.706

83, 53.889, 90.000

97, 5.343, 229.588

81, 62.540, 88.610

99, 6.473, 199.098

79, 70.026, 87.144

78, 75.566, 85.534

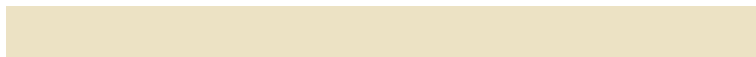
76, 78.436, 83.670

76, 79.003, 83.069

Harmonies

Complementary

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



90, 15.958, 95.186



83, 16.144, 279.496

Rectangle

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



90, 15.958, 95.186



90, 15.958, 145.186



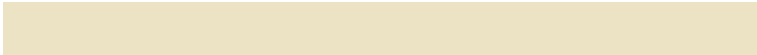
90, 15.958, 275.186



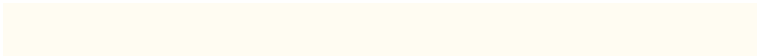
90, 15.958, 325.186

Sweetspot

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



90, 15.959, 95.194



99, 4.969, 96.605



83, 15.763, 1.203



53, 3.392, 96.527



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, 15.959, 95.194



96, 20.090, 94.807



92, 20.890, 118.846



48, 5.297, 96.096



59, 64.836, 83.458



17, 24.703, 86.275

Inverse Universe

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



83, 16.144, 279.496



87, 20.365, 279.979



81, 21.626, 301.078



46, 5.338, 278.443



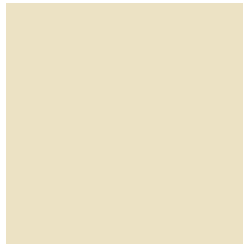
27, 85.185, 300.567



5, 29.478, 292.216

Previews

White Background



This preview shows how the CIELCh color 90, 15.958, 95.186 looks on a white background.

Color Contrast Check

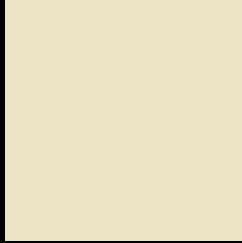
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 90, 15.958, 95.186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

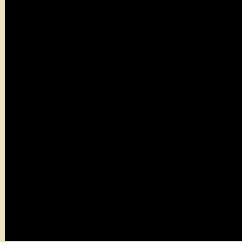
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

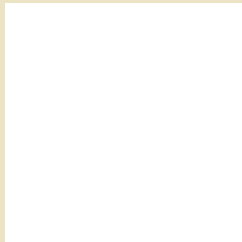
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 15.958, 95.186

Background



This preview shows how black text looks on a background with the CIELCh color 90, 15.958, 95.186.

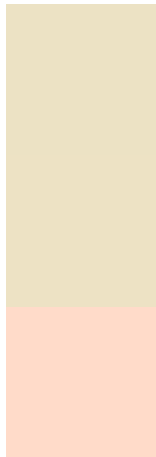


This preview shows how white text looks on a background with the CIELCh color 90, 15.958, 95.186.

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, 15.958, 95.186

Protanopia

90, 16.053, 93.864

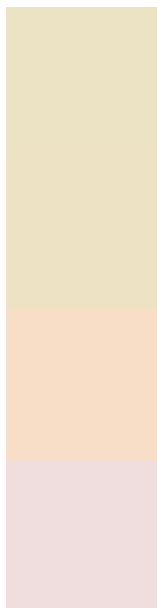
Deuteranopia

90, 16.632, 54.030



Tritanopia
90, 12.234, 330.433

Trichromacy



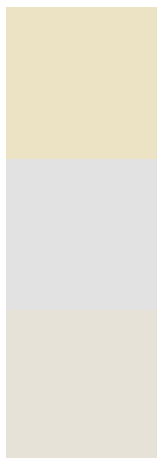
Original Color
90, 15.958, 95.186

Protanomaly
90, 16.053, 93.864

Deuteranomaly
90, 15.509, 69.650

Tritanomaly
90, 6.558, 15.262

Monochromacy



Original Color
90, 15.958, 95.186

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 5.865, 95.283

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 15.958, 95.186 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(236, 226, 196)` looks like.

```
.text, #text, p{  
    color:rgb(236, 226, 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(236, 226, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 226, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 15.958, 95.186 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(236, 226, 196) }
```

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

```
.border{ border-color:rgb(236, 226, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 226, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 226, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 226, 196);  
box-shadow:4px 4px 4px 4px rgb(236, 226,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 15.958, 95.186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 226, 196) }
```

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

```
.background{ background-color: rgb(236,  
226, 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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