

Converting Colors

CIELCh(90, 16.022, 90.561)

Have a look what the booklet for
CIELCh(90, 16.022, 90.561) contains.

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Color

CIELCh(90, 15.913, 89.452)

Conversions

Conversions Part 1

Format	Color
Hex	EFE1C4
RGB	239, 225, 196
RGB Percent	94%, 88%, 77%
CMY	0.0621, 0.1170, 0.2308
CMYK	0.00, 0.06, 0.18, 0.06
HSL	40°, 58%, 85%
HSV	40°, 18%, 94%
XYZ	72.5965, 76.3034, 63.2150
YIQ	225.8800, 17.6530, -6.0510

Conversions

Conversions Part 2

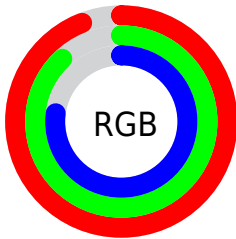
Format	Color
RYB	217, 239, 196
Decimal	15720900
CIELab	90.00, 0.15, 15.91
CIELCh	90, 15.913, 89.452
Yxy	76.3034, 0.3423, 0.3597
Android (android.graphics.Color)	4293910980 (0xFFEFE1C4)
YUV	225.8800, -14.7308, 11.5062
Hunter-Lab	87.3518, -4.5174, 18.2391

Details

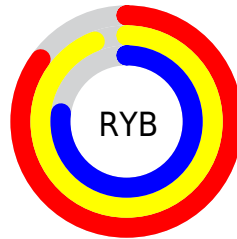
The CIELCh color **90, 15.913, 89.452** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **84, 15.882, 274.286**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 1.003, 110.026**, and **70, 16.142, 89.601** is the 20% darker color. If you saturate the color by 10%, you get **88, 25.011, 88.144**, and if you desaturate by 10%, it is **92, 6.987, 90.720**.

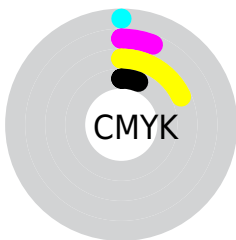
Distribution



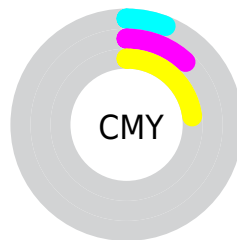
- Red (94%)
- Green (88%)
- Blue (77%)



- Red (85%)
- Yellow (94%)
- Blue (77%)



- Cyan (0%)
- Magenta (6%)
- Yellow (18%)
- Black (6%)



- Cyan (6%)
- Magenta (12%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 15.913, 89.452 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, 15.913, 89.452 by changing the saturation by 10% instead.

90, 15.913, 89.452

90, 15.913, 89.452

100, 15.913,
89.452

80, 15.913, 89.452

70, 15.913, 89.452

60, 15.913, 89.452

50, 15.913, 89.452

40, 15.913, 89.452

30, 15.913, 89.452

20, 15.913, 89.452

10, 15.913, 89.452

0, 15.913, 89.452

90, 15.913, 89.452

90, 15.913, 89.452

88, 25.011, 88.144

92, 6.987, 90.720

85, 34.239, 86.783

95, 1.760, 272.147

83, 43.514, 85.381

97, 4.581, 245.855

81, 52.665, 83.928

99, 5.449, 199.182

79, 61.369, 82.395

76, 69.064, 80.719

74, 74.909, 78.773

73, 78.131, 76.386

72, 78.636, 75.884

Harmonies

Complementary

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



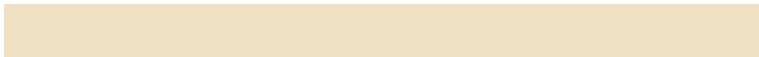
90, 15.913, 89.452



84, 15.882, 274.286

Rectangle

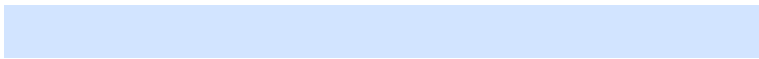
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 15.913, 89.452



90, 15.913, 139.452



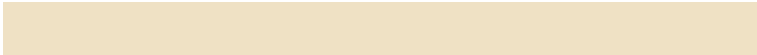
90, 15.913, 269.452



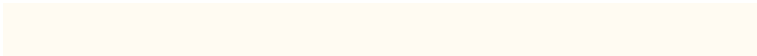
90, 15.913, 319.452

Sweetspot

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



90, 15.914, 89.461



99, 4.592, 91.068



83, 17.573, 355.469



52, 3.136, 90.988



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, 15.914, 89.461



94, 20.595, 88.927



93, 22.177, 115.396



49, 4.991, 90.538



57, 64.524, 76.398



17, 24.681, 79.224

Inverse Universe

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



84, 15.882, 274.286



87, 20.537, 274.962



81, 23.072, 298.174



47, 4.994, 273.021



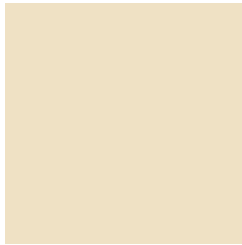
31, 77.343, 297.017



7, 28.480, 290.361

Previews

White Background



This preview shows how the CIELCh color 90, 15.913, 89.452 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, 15.913, 89.452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

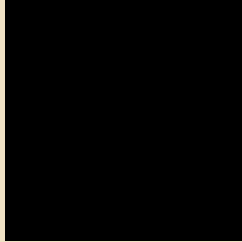
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

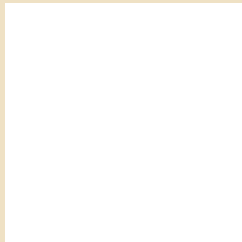
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 15.913, 89.452

Background



This preview shows how black text looks on a background with the CIELCh color 90, 15.913, 89.452.

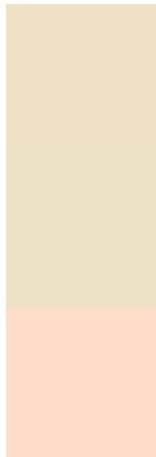


This preview shows how white text looks on a background with the CIELCh color 90, 15.913, 89.452.

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, 15.913, 89.452

Protanopia

90, 16.053, 93.864

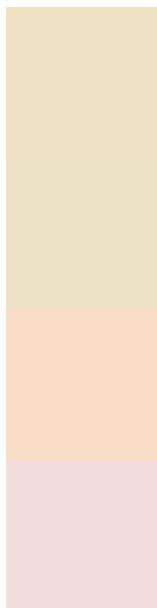
Deuteranopia

90, 16.632, 54.030



Tritanopia
90, 12.954, 334.153

Trichromacy



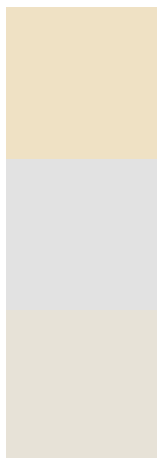
Original Color
90, 15.913, 89.452

Protanomaly
90, 16.156, 92.558

Deuteranomaly
90, 15.639, 66.357

Tritanomaly
90, 7.667, 16.014

Monochromacy



Original Color
90, 15.913, 89.452

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 5.964, 91.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 15.913, 89.452 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(239, 225, 196)` looks like.

```
.text, #text, p{  
    color:rgb(239, 225, 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(239, 225, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 225, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 15.913, 89.452 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(239, 225, 196) }
```

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

```
.border{ border-color:rgb(239, 225, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 225, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 225, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 225, 196);  
box-shadow:4px 4px 4px 4px rgb(239, 225,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 15.913, 89.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 225, 196) }
```

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

```
.background{ background-color: rgb(239,  
225, 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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