

Converting Colors

CIELCh(90, 11.889, 92.604)

Have a look what the booklet for
CIELCh(90, 11.889, 92.604) contains.

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Color

CIELCh(90, 11.855, 92.776)

Conversions

Conversions Part 1

Format	Color
Hex	EBE2CC
RGB	235, 226, 204
RGB Percent	92%, 89%, 80%
CMY	0.0790, 0.1143, 0.2006
CMYK	0.00, 0.04, 0.13, 0.08
HSL	43°, 43%, 86%
HSV	43°, 13%, 92%
XYZ	72.2510, 76.3034, 67.9563
YIQ	226.1830, 12.4260, -4.9340

Conversions

Conversions Part 2

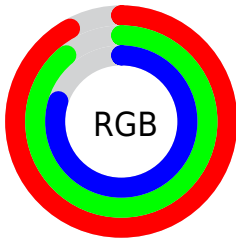
Format	Color
R _Y B	217, 235, 204
Decimal	15459020
CIE Lab	90.00, -0.57, 11.84
CIE LCh	90, 11.855, 92.776
Yxy	76.3034, 0.3337, 0.3524
Android (android.graphics.Color)	4293649100 (0xFFEBE2CC)
YUV	226.1830, -10.9362, 7.7325
Hunter-Lab	87.3518, -5.2236, 15.0209

Details

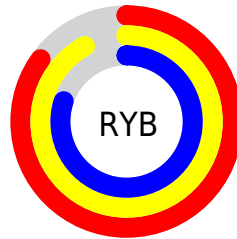
The CIELCh color **90, 11.855, 92.776** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **85, 11.907, 276.186**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **70, 11.866, 93.494** is the 20% darker color. If you saturate the color by 10%, you get **88, 21.011, 91.520**, and if you desaturate by 10%, it is **92, 2.841, 93.956**.

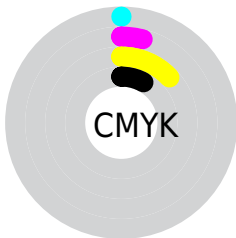
Distribution



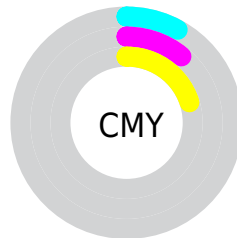
- Red (92%)
- Green (89%)
- Blue (80%)



- Red (85%)
- Yellow (92%)
- Blue (80%)



- Cyan (0%)
- Magenta (4%)
- Yellow (13%)
- Black (8%)



- Cyan (8%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 11.855, 92.776 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, 11.855, 92.776 by changing the saturation by 10% instead.

■ 90, 11.855, 92.776

■ 90, 11.855, 92.776

■ 100, 11.855,
92.776

■ 80, 11.855, 92.776

■ 70, 11.855, 92.776

■ 60, 11.855, 92.776

■ 50, 11.855, 92.776

■ 40, 11.855, 92.776

■ 30, 11.855, 92.776

■ 20, 11.855, 92.776

■ 10, 11.855, 92.776

■ 0, 11.855, 92.776

90, 11.855, 92.776

90, 11.855, 92.776

88, 21.011, 91.520

92, 2.841, 93.956

86, 30.275, 90.209

95, 6.023, 275.265

84, 39.577, 88.859

96, 5.877, 248.699

82, 48.781, 87.469

98, 6.310, 207.887

80, 57.631, 86.027

99, 6.900, 199.065

78, 65.680, 84.499

76, 72.224, 82.809

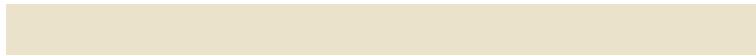
74, 76.400, 80.826

73, 77.909, 79.288

Harmonies

Complementary

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



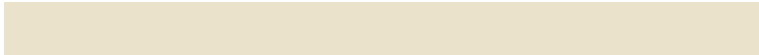
90, 11.855, 92.776



85, 11.907, 276.186

Rectangle

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



90, 11.855, 92.776



90, 11.855, 142.776



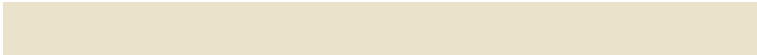
90, 11.855, 272.776



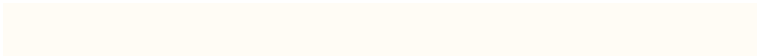
90, 11.855, 322.776

Sweetspot

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



90, 11.856, 92.787



99, 3.805, 93.874



85, 12.395, 357.213



53, 2.707, 93.792



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, 11.856, 92.787



96, 15.404, 92.428



92, 16.115, 117.094



48, 5.081, 93.244



57, 64.173, 79.742



16, 23.992, 82.644

Inverse Universe

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



85, 11.907, 276.186



90, 15.475, 276.611



83, 16.577, 298.967



46, 5.102, 275.665



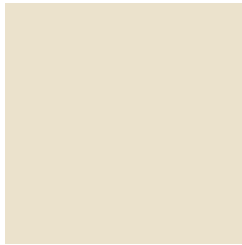
29, 80.628, 298.783



6, 28.272, 290.823

Previews

White Background



This preview shows how the CIELCh color 90, 11.855, 92.776 looks on a white background.

Color Contrast Check

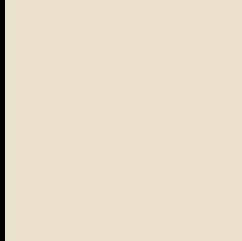
Large Text (above 18pt) WCAG AA × Fail

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, 11.855, 92.776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

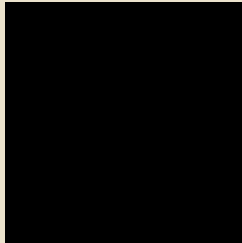
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

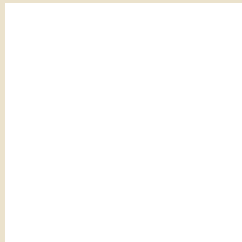
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 11.855, 92.776

Background



This preview shows how black text looks on a background with the CIELCh color 90, 11.855, 92.776.

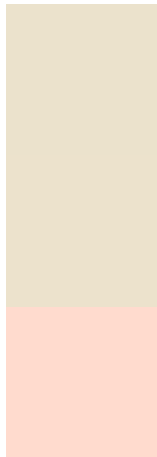


This preview shows how white text looks on a background with the CIELCh color 90, 11.855, 92.776.

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, 11.855, 92.776

Protanopia

90, 11.966, 91.048

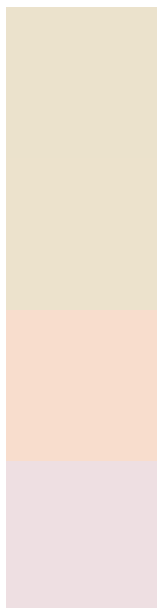
Deuteranopia

90, 15.201, 46.346



Tritanopia
90, 11.159, 327.864

Trichromacy



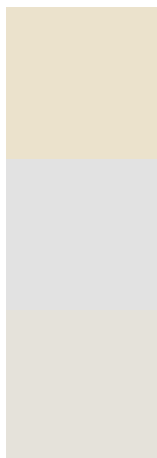
Original Color
90, 11.855, 92.776

Protanomaly
90, 11.966, 91.048

Deuteranomaly
90, 13.136, 58.842

Tritanomaly
90, 5.643, 3.729

Monochromacy



Original Color
90, 11.855, 92.776

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 4.269, 95.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 11.855, 92.776 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(235, 226, 204)` looks like.

```
.text, #text, p{  
    color:rgb(235, 226, 204)  
}
```

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(235, 226, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 226, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 11.855, 92.776 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(235, 226, 204) }
```

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

```
.border{ border-color:rgb(235, 226, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 226, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 226, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 226, 204);  
box-shadow:4px 4px 4px 4px rgb(235, 226,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 11.855, 92.776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 226, 204) }
```

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

```
.background{ background-color: rgb(235,  
226, 204) }
```

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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