

Converting Colors

CIELCh(90, 22.968, 100.797)

Have a look what the booklet for
CIELCh(90, 22.968, 100.797)
contains.

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Color

CIELCh(90, 22.900, 100.568)

Conversions

Conversions Part 1

Format	Color
Hex	EBE3B7
RGB	235, 227, 183
RGB Percent	92%, 89%, 72%
CMY	0.0769, 0.1083, 0.2809
CMYK	0.00, 0.03, 0.22, 0.08
HSL	51°, 57%, 82%
HSV	51°, 22%, 92%
XYZ	70.5424, 76.3034, 56.0067
YIQ	224.3760, 18.8920, -11.9880

Conversions

Conversions Part 2

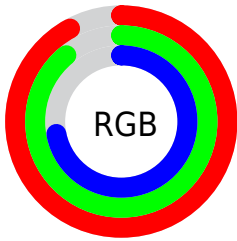
Format	Color
RYB	192, 235, 183
Decimal	15459255
CIELab	90.00, -4.20, 22.51
CIELCh	90, 22.900, 100.568
Yxy	76.3034, 0.3478, 0.3762
Android (android.graphics.Color)	4293649335 (0xFFE3B7)
YUV	224.3760, -20.3984, 9.3172
Hunter-Lab	87.3518, -8.7150, 23.1317

Details

The CIELCh color **90, 22.900, 100.568** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **78, 23.658, 285.894**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 8.099, 109.562**, and **70, 22.952, 100.642** is the 20% darker color. If you saturate the color by 10%, you get **89, 33.247, 99.421**, and if you desaturate by 10%, it is **91, 12.518, 101.701**.

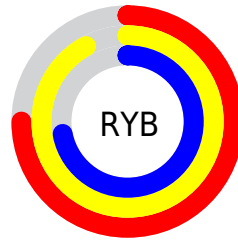
Distribution



Red (92%)

Green (89%)

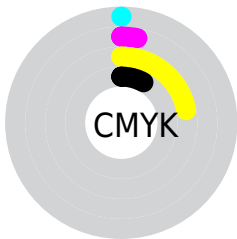
Blue (72%)



Red (75%)

Yellow (92%)

Blue (72%)

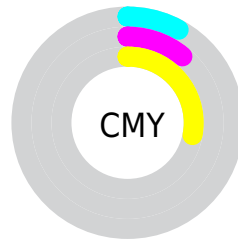


Cyan (0%)

Magenta (3%)

Yellow (22%)

Black (8%)



Cyan (8%)

Magenta (11%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 22.900, 100.568 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, 22.900, 100.568 by changing the saturation by 10% instead.

90, 22.900,
100.568

90, 22.900,
100.568

100, 22.900,
100.568

80, 22.900,
100.568

70, 22.900,
100.568

60, 22.900,
100.568

50, 22.900,
100.568

40, 22.900,
100.568

30, 22.900,
100.568

20, 22.900,

100.568

■ 10, 22.900,
100.568

■ 0, 22.900, 100.568

■ 90, 22.900,
100.568

■ 90, 22.900,
100.568

■ 89, 33.247, 99.421

■ 91, 12.518,
101.701

■ 87, 43.447, 98.256

■ 93, 2.158, 102.747

■ 86, 53.317, 97.090

■ 94, 8.144, 283.901

■ 85, 62.550, 95.933

■ 95, 7.065, 272.408

■ 84, 70.668, 94.792

■ 96, 5.927, 254.858

■ 83, 77.005, 93.661

82, 80.863, 92.515

97, 5.536, 232.326

81, 82.204, 91.578

98, 6.033, 210.282

99, 6.723, 199.078

Harmonies

Complementary

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



90, 22.900, 100.568



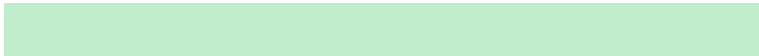
78, 23.658, 285.894

Rectangle

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



90, 22.900, 100.568



90, 22.900, 150.568



90, 22.900, 280.568



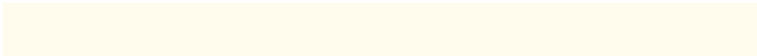
90, 22.900, 330.568

Sweetspot

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



90, 22.902, 100.574



99, 7.714, 102.256



79, 20.259, 8.072



53, 5.014, 102.191



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, 22.902, 100.574



96, 29.859, 99.998



91, 27.506, 121.827



49, 5.857, 101.992



64, 67.631, 91.790



19, 26.741, 93.945

Inverse Universe

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



78, 23.658, 285.894



80, 31.107, 286.690



78, 28.668, 304.401



46, 5.943, 284.156



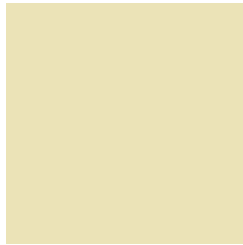
24, 94.597, 303.754



4, 31.940, 294.686

Previews

White Background



This preview shows how the CIE LCh color 90, 22.900, 100.568 looks on a white background.

Color Contrast Check

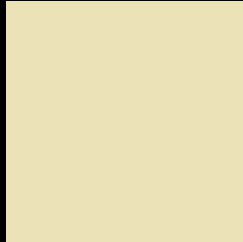
Large Text (above 18pt) WCAG AA × Fail

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, 22.900, 100.568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

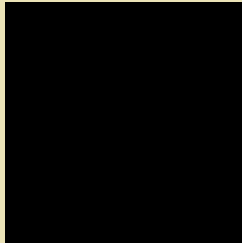
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

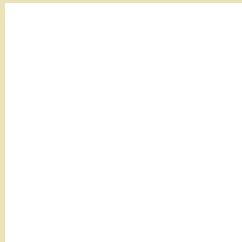
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 22.900, 100.568

Background



This preview shows how black text looks on a background with the CIELCh color 90, 22.900, 100.568.



This preview shows how white text looks on a background with the CIELCh color 90, 22.900, 100.568.

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](#).

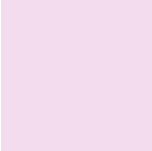
Dichromacy



Original Color
90, 22.900, 100.568

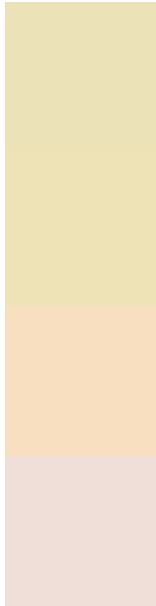
Protanopia
90, 22.852, 94.641

Deuteranopia
90, 18.749, 63.360



Tritanopia
90, 11.845, 332.052

Trichromacy



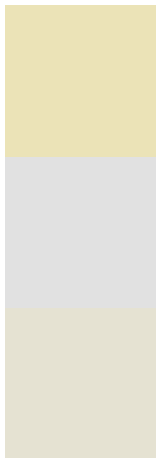
Original Color
90, 22.900, 100.568

Protanomaly
90, 23.087, 97.707

Deuteranomaly
90, 19.193, 78.764

Tritanomaly
90, 6.954, 46.197

Monochromacy



Original Color
90, 22.900, 100.568

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 8.348, 101.894

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 22.900, 100.568 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, 227, 183)` looks like.

```
.text, #text, p{  
    color:rgb(235, 227, 183)  
}
```

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, 227, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 227, 183) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 22.900, 100.568 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, 227, 183) }
```

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

```
.border{ border-color:rgb(235, 227, 183) }
```

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

Here you see how a box with a 4 pixel rgb(235, 227, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 227, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 227, 183);  
box-shadow:4px 4px 4px 4px rgb(235, 227,  
183) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 22.900, 100.568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 227, 183) }
```

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

```
.background{ background-color: rgb(235,  
227, 183) }
```

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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