

Converting Colors

CIELCh(90, 21.688, 96.105)

Have a look what the booklet for
CIELCh(90, 21.688, 96.105) contains.

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Color

CIELCh(90, 21.670, 96.115)

Conversions

Conversions Part 1

Format	Color
Hex	EEE2B9
RGB	238, 226, 185
RGB Percent	93%, 89%, 73%
CMY	0.0655, 0.1125, 0.2734
CMYK	0.00, 0.05, 0.22, 0.07
HSL	46°, 61%, 83%
HSV	46°, 22%, 93%
XYZ	71.4304, 76.3034, 57.0245
YIQ	224.9140, 20.3130, -10.2070

Conversions

Conversions Part 2

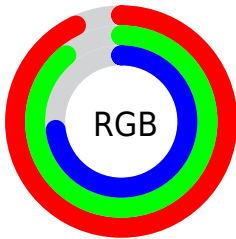
Format	Color
R _Y B	201, 238, 185
Decimal	15655609
CIE Lab	90.00, -2.31, 21.55
CIE LCh	90, 21.670, 96.115
Yxy	76.3034, 0.3489, 0.3727
Android (android.graphics.Color)	4293845689 (0xFFEEE2B9)
YUV	224.9140, -19.6776, 11.4764
Hunter-Lab	87.3518, -6.9005, 22.4409

Details

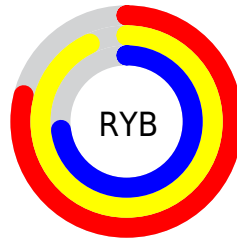
The CIELCh color **90, 21.670, 96.115** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **80, 22.107, 281.810**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 7.086, 109.637**, and **70, 21.667, 95.953** is the 20% darker color. If you saturate the color by 10%, you get **88, 31.511, 94.879**, and if you desaturate by 10%, it is **92, 11.872, 97.326**.

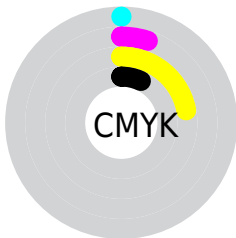
Distribution



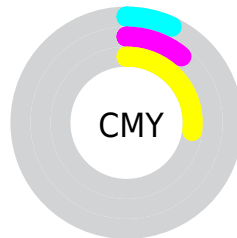
- Red (93%)
- Green (89%)
- Blue (73%)



- Red (79%)
- Yellow (93%)
- Blue (73%)



- Cyan (0%)
- Magenta (5%)
- Yellow (22%)
- Black (7%)



- Cyan (7%)
- Magenta (11%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 21.670, 96.115 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, 21.670, 96.115 by changing the saturation by 10% instead.

■ 90, 21.670, 96.115

■ 90, 21.670, 96.115

■ 100, 21.670,
96.115

■ 80, 21.670, 96.115

■ 70, 21.670, 96.115

■ 60, 21.670, 96.115

■ 50, 21.670, 96.115

■ 40, 21.670, 96.115

■ 30, 21.670, 96.115

■ 20, 21.670, 96.115

■ 10, 21.670, 96.115

■ 0, 21.670, 96.115

90, 21.670, 96.115

90, 21.670, 96.115

88, 31.511, 94.879

92, 11.872, 97.326

86, 41.303, 93.608

94, 2.157, 98.425

85, 50.890, 92.313

96, 6.555, 278.027

83, 59.992, 90.991

97, 4.862, 247.893

82, 68.147, 89.630

98, 5.203, 208.922

80, 74.661, 88.190

99, 5.735, 199.158

79, 78.734, 86.596

78, 80.193, 85.223

Harmonies

Complementary

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



90, 21.670, 96.115



80, 22.107, 281.810

Rectangle

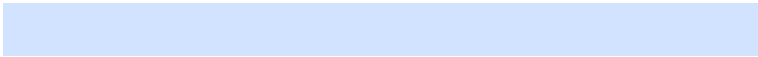
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 21.670, 96.115



90, 21.670, 146.115



90, 21.670, 276.115



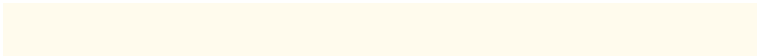
90, 21.670, 326.115

Sweetspot

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



90, 21.671, 96.121



99, 7.145, 97.932



80, 20.974, 3.075



52, 4.644, 97.863



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

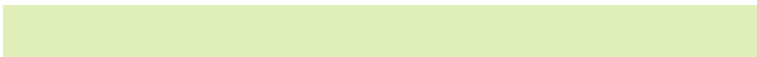
The Same Dimension uses a secret algorithm to generate beautiful new colors.



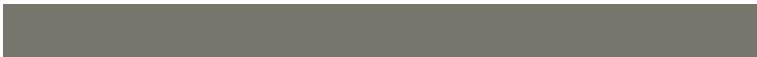
90, 21.671, 96.121



95, 27.836, 95.523



92, 27.657, 119.177



49, 5.525, 97.650



61, 66.045, 85.558



18, 26.399, 88.141

Inverse Universe

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



80, 22.107, 281.810



82, 28.539, 282.621



78, 28.941, 302.088



47, 5.578, 279.958



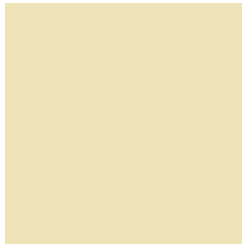
27, 88.708, 301.510



5, 31.833, 294.126

Previews

White Background



This preview shows how the CIELCh color 90, 21.670, 96.115 looks on a white background.

Color Contrast Check

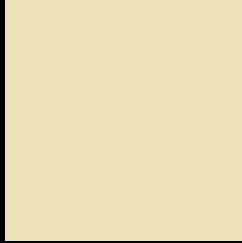
Large Text (above 18pt) WCAG AA × Fail

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, 21.670, 96.115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

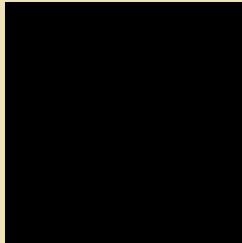
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

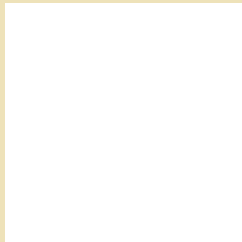
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 21.670, 96.115

Background



This preview shows how black text looks on a background with the CIELCh color 90, 21.670, 96.115.

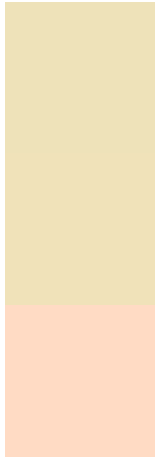


This preview shows how white text looks on a background with the CIELCh color 90, 21.670, 96.115.

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, 21.670, 96.115

Protanopia

90, 21.852, 94.127

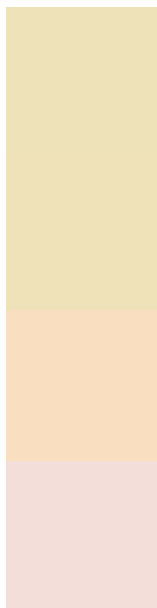
Deuteranopia

90, 18.323, 60.357



Tritanopia
90, 12.846, 336.950

Trichromacy



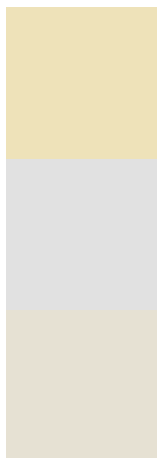
Original Color
90, 21.670, 96.115

Protanomaly
90, 21.757, 95.118

Deuteranomaly
90, 18.734, 75.280

Tritanomaly
90, 7.973, 34.870

Monochromacy



Original Color
90, 21.670, 96.115

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 7.469, 95.326

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 21.670, 96.115 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(238, 226, 185)` looks like.

```
.text, #text, p{  
    color:rgb(238, 226, 185)  
}
```

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(238, 226, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 226, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 21.670, 96.115 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(238, 226, 185) }
```

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

```
.border{ border-color:rgb(238, 226, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 226, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(238, 226, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(238, 226, 185); box-shadow:4px 4px 4px 4px rgb(238, 226, 185) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 21.670, 96.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 226, 185) }
```

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

```
.background{ background-color: rgb(238,  
226, 185) }
```

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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