

Converting Colors

CIELCh(90, 24.727, 109.920)

Have a look what the booklet for
CIELCh(90, 24.727, 109.920)
contains.

CIELCh(90, 24.708, 109.928)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(90, 24.708, 109.928)

Conversions

Conversions Part 1

Format	Color
Hex	E4E6B6
RGB	228, 230, 182
RGB Percent	89%, 90%, 71%
CMY	0.1067, 0.0989, 0.2871
CMYK	0.01, 0.00, 0.21, 0.10
HSL	63°, 49%, 81%
HSV	63°, 21%, 90%
XYZ	68.5873, 76.3034, 55.2584
YIQ	223.9300, 14.2160, -15.3520

Conversions

Conversions Part 2

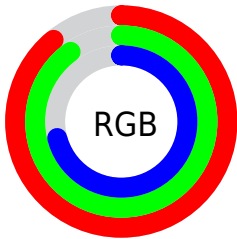
Format	Color
RYB	182, 230, 184
Decimal	15001270
CIELab	90.00, -8.42, 23.23
CIELCh	90, 24.708, 109.928
Yxy	76.3034, 0.3427, 0.3812
Android (android.graphics.Color)	4293191350 (0xFFE4E6B6)
YUV	223.9300, -20.6715, 3.5694
Hunter-Lab	87.3518, -12.7102, 23.6397

Details

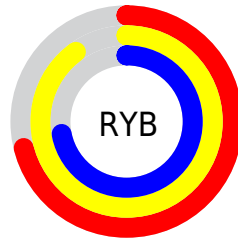
The CIELCh color **90, 24.708, 109.928** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **76, 25.942, 294.035**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 8.605, 109.524**, and **70, 24.877, 110.496** is the 20% darker color. If you saturate the color by 10%, you get **90, 36.322, 109.028**, and if you desaturate by 10%, it is **91, 12.920, 110.841**.

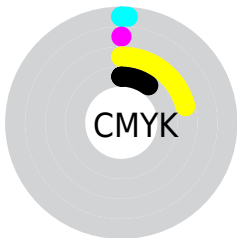
Distribution



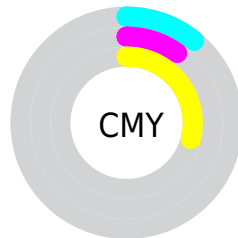
- Red (89%)
- Green (90%)
- Blue (71%)



- Red (71%)
- Yellow (90%)
- Blue (72%)



- Cyan (1%)
- Magenta (0%)
- Yellow (21%)
- Black (10%)





- Cyan (11%)
- Magenta (10%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 24.708, 109.928 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, 24.708, 109.928 by changing the saturation by 10% instead.


 90, 24.708,
109.928


 90, 24.708,
109.928


 100, 24.708,
109.928


 80, 24.708,
109.928

 70, 24.708,
109.928

 60, 24.708,
109.928

 50, 24.708,
109.928

 40, 24.708,
109.928

 30, 24.708,
109.928

 20, 24.708,

109.928

■ 10, 24.708,
109.928

■ 0, 24.708, 109.928

■ 90, 24.708,
109.928

■ 90, 24.708,
109.928

■ 90, 36.322,
109.028

■ 91, 12.920,
110.841

■ 89, 47.615,
108.149

■ 91, 1.044, 111.693

■ 89, 58.371,
107.324

■ 92, 10.858,
292.627

■ 88, 68.261,
106.592

■ 92, 13.080,
293.952

■ 92, 13.104,

■ 88, 76.819,
105.998

295.381

■ 88, 83.482,
105.596

■ 92, 13.136,
296.808

■ 88, 87.756,
105.430

■ 92, 13.176,
298.229

■ 88, 89.705,
105.470

■ 92, 13.224,
299.643

■ 92, 13.280,
301.049

Harmonies

Complementary

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



90, 24.708, 109.928



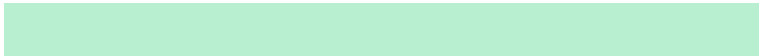
76, 25.942, 294.035

Rectangle

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



90, 24.708, 109.928



90, 24.708, 159.928



90, 24.708, 289.928



90, 24.708, 339.928

Sweetspot

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



90, 24.710, 109.932



100, 7.751, 111.276



79, 17.969, 23.543



53, 5.141, 111.218



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, 24.710, 109.932



98, 32.112, 109.546



88, 26.652, 129.287



48, 6.735, 110.970



70, 74.257, 105.428



20, 29.325, 105.993

Inverse Universe

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



76, 25.942, 294.035



80, 34.088, 294.583



78, 27.368, 311.175



44, 6.886, 292.736



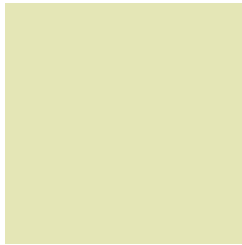
21, 102.176, 306.416



2, 33.750, 297.778

Previews

White Background



This preview shows how the CIE LCh color 90, 24.708, 109.928 looks on a white background.

Color Contrast Check

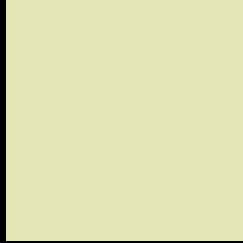
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 24.708, 109.928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

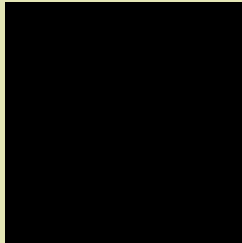
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

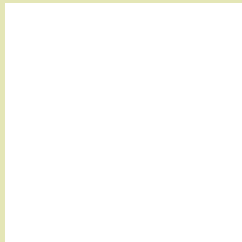
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 24.708, 109.928

Background



This preview shows how black text looks on a background with the CIELCh color 90, 24.708, 109.928.

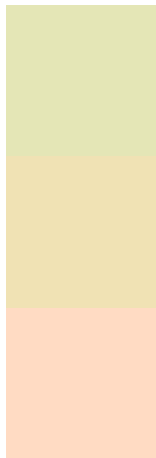


This preview shows how white text looks on a background with the CIELCh color 90, 24.708, 109.928.

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, 24.708, 109.928

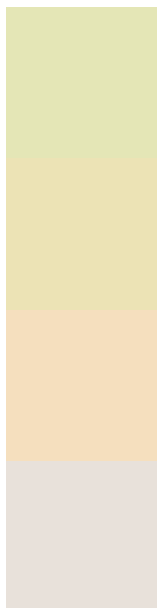
Protanopia
90, 24.356, 95.317

Deuteranopia
90, 18.686, 61.476



Tritanopia
90, 10.009, 318.029

Trichromacy



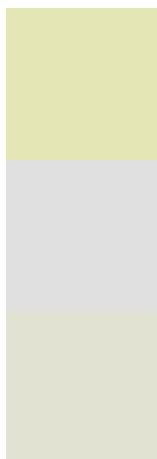
Original Color
90, 24.708, 109.928

Protanomaly
90, 23.970, 99.872

Deuteranomaly
90, 19.092, 82.480

Tritanomaly
90, 4.410, 74.592

Monochromacy



Original Color
90, 24.708, 109.928

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 8.816, 111.834

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 24.708, 109.928 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(228, 230, 182)` looks like.

```
.text, #text, p{  
    color:rgb(228, 230, 182)  
}
```

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(228, 230, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 230, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 24.708, 109.928 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(228, 230, 182) }
```

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

```
.border{ border-color:rgb(228, 230, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 230, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 230, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 230, 182);  
box-shadow:4px 4px 4px 4px rgb(228, 230,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 24.708, 109.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 230, 182) }
```

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

```
.background{ background-color: rgb(228,  
230, 182) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor