

Converting Colors

CIELCh(91, 32.460, 108.436)

Have a look what the booklet for
CIELCh(91, 32.460, 108.436)
contains.

CIELCh(91, 32.225, 108.243)	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(91, 32.225, 108.243)

Conversions

Conversions Part 1

Format	Color
Hex	E8E9AA
RGB	232, 233, 170
RGB Percent	91%, 91%, 67%
CMY	0.0894, 0.0855, 0.3326
CMYK	0.00, 0.00, 0.27, 0.09
HSL	61°, 59%, 79%
HSV	61°, 27%, 91%
XYZ	69.8074, 78.4833, 49.5901
YIQ	225.5190, 19.6270, -19.8050

Conversions

Conversions Part 2

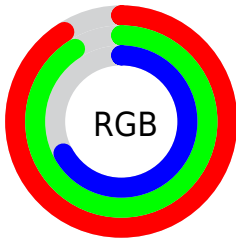
Format	Color
RYB	170, 233, 171
Decimal	15264170
CIELab	91.00, -10.09, 30.61
CIELCh	91, 32.225, 108.243
Yxy	78.4833, 0.3528, 0.3966
Android (android.graphics.Color)	4293454250 (0xFFE8E9AA)
YUV	225.5190, -27.3709, 5.6838
Hunter-Lab	88.5908, -14.3802, 28.8250

Details

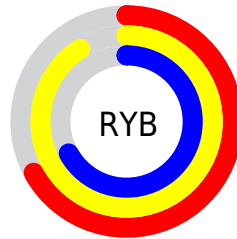
The CIELCh color **91, 32.225, 108.243** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **72, 34.391, 293.973**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 14.673, 109.069**, and **71, 32.161, 107.692** is the 20% darker color. If you saturate the color by 10%, you get **91, 43.796, 107.315**, and if you desaturate by 10%, it is **91, 20.398, 109.195**.

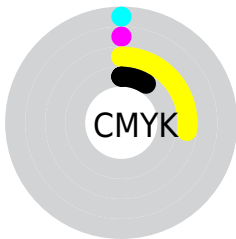
Distribution



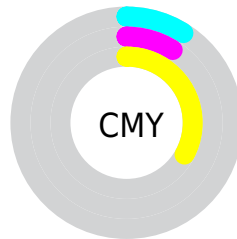
- Red (91%)
- Green (91%)
- Blue (67%)



- Red (67%)
- Yellow (91%)
- Blue (67%)



- Cyan (0%)
- Magenta (0%)
- Yellow (27%)
- Black (9%)





- Cyan (9%)
- Magenta (9%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 32.225, 108.243 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 91, 32.225, 108.243 by changing the saturation by 10% instead.


 91, 32.225,
108.243


 91, 32.225,
108.243


 100, 32.225,
108.243


 81, 32.225,
108.243

 71, 32.225,
108.243

 61, 32.225,
108.243

 51, 32.225,
108.243

 41, 32.225,
108.243

 31, 32.225,
108.243

 21, 32.225,

108.243

■ 11, 32.225,
108.243

■ 1, 32.225, 108.243

■ 91, 32.225,
108.243

■ 91, 32.225,
108.243

■ 91, 43.796,
107.315

■ 91, 20.398,
109.195

■ 90, 54.917,
106.425

■ 92, 8.431, 110.139

■ 90, 65.301,
105.607

■ 93, 3.597, 291.100

■ 90, 74.530,
104.901

■ 93, 11.268,
291.903

■ 93, 11.272,
292.548

■ 90, 82.056,
104.353

■ 93, 11.278,
293.191

■ 90, 87.321,
104.003

■ 93, 11.285,
293.835

■ 89, 90.058,
103.870

■ 93, 11.294,
294.478

■ 89, 90.599,
103.854

■ 93, 11.304,
295.121

Harmonies

Complementary

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



91, 32.225, 108.243



72, 34.391, 293.973

Rectangle

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



91, 32.225, 108.243



91, 32.225, 158.243



91, 32.225, 288.243



91, 32.225, 338.243

Sweetspot

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



91, 32.227, 108.247



99, 10.328, 110.044



76, 24.870, 21.576



53, 7.339, 109.902



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



91, 32.227, 108.247



98, 40.882, 107.765



89, 34.567, 127.812



49, 6.854, 109.910



71, 74.957, 103.838



21, 30.651, 104.353

Inverse Universe

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



72, 34.391, 293.973



74, 44.273, 294.748



74, 35.894, 310.377



45, 7.008, 291.764



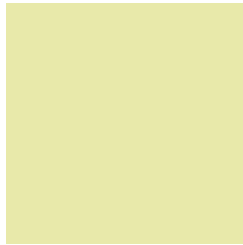
21, 103.393, 306.335



2, 35.766, 298.128

Previews

White Background



This preview shows how the CIELCh color 91, 32.225, 108.243 looks on a white background.

Color Contrast Check

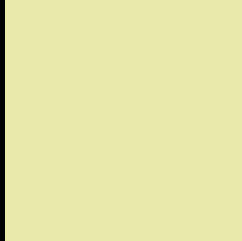
Large Text (above 18pt) WCAG AA × Fail

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 91, 32.225, 108.243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

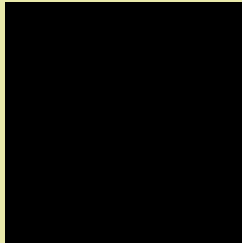
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

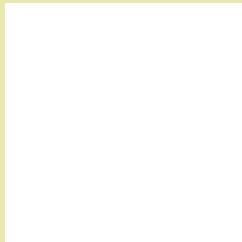
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 32.225, 108.243

Background



This preview shows how black text looks on a background with the CIELCh color 91, 32.225, 108.243.

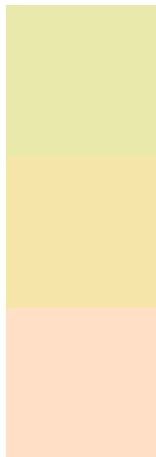


This preview shows how white text looks on a background with the CIELCh color 91, 32.225, 108.243.

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

91, 32.225, 108.243

Protanopia

91, 32.040, 95.498

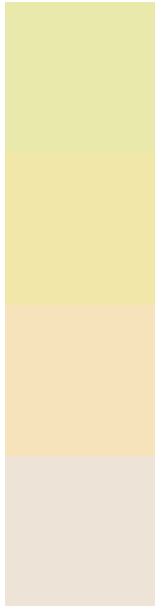
Deuteranopia

91, 18.254, 66.975



Tritanopia
91, 10.718, 324.803

Trichromacy



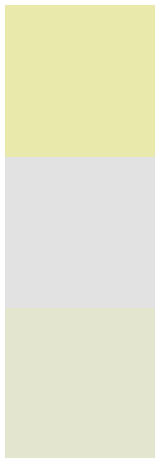
Original Color
91, 32.225, 108.243

Protanomaly
91, 32.007, 100.520

Deuteranomaly
91, 22.055, 87.995

Tritanomaly
91, 7.384, 76.479

Monochromacy



Original Color
91, 32.225, 108.243

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 11.889, 110.986

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 32.225, 108.243 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(232, 233, 170)` looks like.

```
.text, #text, p{  
    color:rgb(232, 233, 170)  
}
```

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(232, 233, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 233, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 32.225, 108.243 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(232, 233, 170) }
```

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

```
.border{ border-color:rgb(232, 233, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 233, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 233, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 233, 170);  
box-shadow:4px 4px 4px 4px rgb(232, 233,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 32.225, 108.243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 233, 170) }
```

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

```
.background{ background-color: rgb(232,  
233, 170) }
```

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