

Converting Colors

CIELCh(92, 4.452, 108.862)

Have a look what the booklet for
CIELCh(92, 4.452, 108.862) contains.

CIELCh(92, 4.632, 109.792)	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(92, 4.632, 109.792)

Conversions

Conversions Part 1

Format	Color
Hex	E9E9E0
RGB	233, 233, 224
RGB Percent	91%, 91%, 88%
CMY	0.0877, 0.0876, 0.1229
CMYK	0.00, 0.00, 0.04, 0.09
HSL	60°, 17%, 89%
HSV	60°, 4%, 91%
XYZ	75.9344, 80.7044, 81.8464
YIQ	231.9740, 2.8890, -2.7990

Conversions

Conversions Part 2

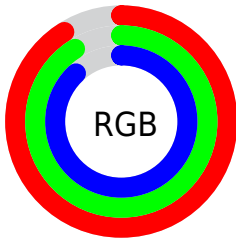
Format	Color
R_{YB}	224, 233, 224
Decimal	15329760
CIE _{Lab}	92.00, -1.57, 4.36
CIE _{LCh}	92, 4.632, 109.792
Y _{xy}	80.7044, 0.3184, 0.3384
Android (android.graphics.Color)	4293519840 (0xFFE9E9E0)
YUV	231.9740, -3.9312, 0.8998
Hunter-Lab	89.8356, -6.3336, 8.8677

Details

The CIELCh color $92, 4.632, 109.792$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $89, 4.693, 290.594$, and the grayscale version is $92, 0.011, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $72, 4.335, 109.738$ is the 20% darker color. If you saturate the color by 10%, you get $91, 16.602, 108.852$, and if you desaturate by 10%, it is $93, 7.376, 290.788$.

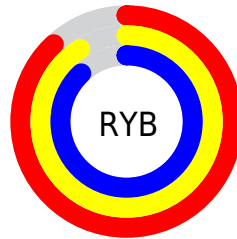
Distribution



Red (91%)

Green (91%)

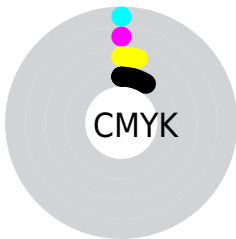
Blue (88%)



Red (88%)

Yellow (91%)

Blue (88%)

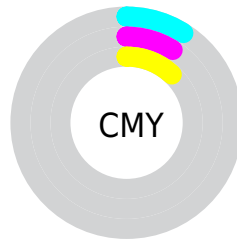


Cyan (0%)

Magenta (0%)

Yellow (4%)

Black (9%)



Cyan (9%)

Magenta (9%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 92, 4.632, 109.792 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 92, 4.632, 109.792 by changing the saturation by 10% instead.

■ 92, 4.632, 109.792

■ 92, 4.632, 109.792

■ 100, 4.632,
109.792

■ 82, 4.632, 109.792

■ 72, 4.632, 109.792

■ 62, 4.632, 109.792

■ 52, 4.632, 109.792

■ 42, 4.632, 109.792

■ 32, 4.632, 109.792

■ 22, 4.632, 109.792

■ 12, 4.632, 109.792

■ 2, 4.632, 109.792

92, 4.632, 109.792

92, 4.632, 109.792

91, 16.602,
108.852

93, 7.376, 290.788

91, 28.462,
107.879

93, 11.550,
291.122

91, 40.107,
106.916

93, 11.551,
291.142

90, 51.374,
105.986

93, 11.551,
291.161

90, 62.010,
105.116

93, 11.551,
291.180

90, 71.638,
104.341

93, 11.551,
291.200

90, 79.747,
103.700

93, 11.551,
291.219

90, 85.761,
103.235

93, 11.551,
291.239

■ 90, 89.270,
102.968

■ 93, 11.551,
291.258

Harmonies

Complementary

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



92, 4.632, 109.792



89, 4.693, 290.594

Rectangle

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



92, 4.632, 109.792



92, 4.632, 159.792



92, 4.632, 289.792



92, 4.632, 339.792

Sweetspot

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



92, 4.634, 109.811



100, 1.282, 110.041



90, 3.246, 19.450



53, 0.729, 110.043



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



92, 4.634, 109.811



100, 6.453, 109.703



92, 4.929, 128.927



49, 4.112, 109.641



71, 74.937, 102.882



21, 30.655, 103.492

Inverse Universe

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



89, 4.693, 290.594



96, 6.545, 290.709



90, 4.974, 309.211



47, 4.174, 290.777



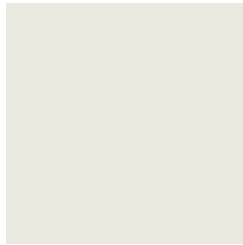
21, 103.472, 306.289



2, 35.735, 297.762

Previews

White Background



This preview shows how the CIELCh color 92, 4.632, 109.792 looks on a white background.

Color Contrast Check

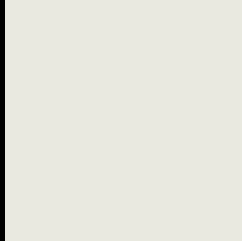
Large Text (above 18pt) WCAG AA × Fail

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 92, 4.632, 109.792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

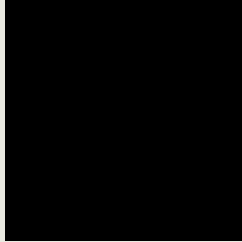
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

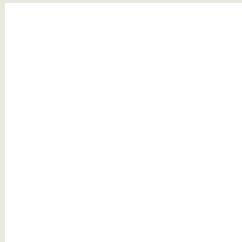
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 92, 4.632, 109.792

Background



This preview shows how black text looks on a background with the CIELCh color 92, 4.632, 109.792.

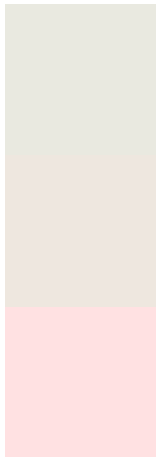


This preview shows how white text looks on a background with the CIELCh color 92, 4.632, 109.792.

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

92, 4.632, 109.792

Protanopia

92, 4.821, 78.074

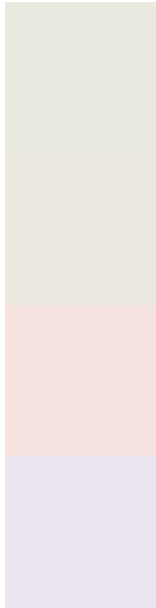
Deuteranopia

92, 10.965, 17.446



Tritanopia
92, 9.672, 305.460

Trichromacy



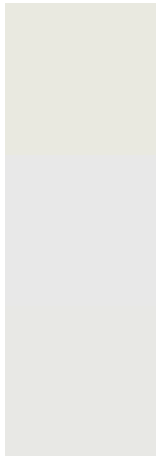
Original Color
92, 4.632, 109.792

Protanomaly
92, 4.842, 92.396

Deuteranomaly
92, 7.075, 32.381

Tritanomaly
92, 5.008, 311.113

Monochromacy



Original Color
92, 4.632, 109.792

Achromatopsia
92, 0.011, 296.813

Achromatomaly
92, 1.538, 110.008

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 92, 4.632, 109.792 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(233, 233, 224)` looks like.

```
.text, #text, p{  
    color:rgb(233, 233, 224)  
}
```

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(233, 233, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 233, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 92, 4.632, 109.792 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(233, 233, 224) }
```

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

```
.border{ border-color:rgb(233, 233, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 233, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 233, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 233, 224);  
box-shadow:4px 4px 4px 4px rgb(233, 233,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 92, 4.632, 109.792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 233, 224) }
```

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

```
.background{ background-color: rgb(233,  
233, 224) }
```

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