

# Converting Colors

CIELCh(92, 2.485, 103.315)

Have a look what the booklet for  
CIELCh(92, 2.485, 103.315) contains.

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# Color

**CIELCh(92, 2.592, 101.993)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9E8E3
RGB	233, 232, 227
RGB Percent	91%, 91%, 89%
CMY	0.0857, 0.0896, 0.1092
CMYK	0.00, 0.00, 0.03, 0.09
HSL	50°, 12%, 90%
HSV	50°, 3%, 91%
XYZ	76.4412, 80.7044, 84.3325
YIQ	231.7290, 2.2010, -1.3430

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">228, 233, 227</a>
Decimal	<a href="#">15329507</a>
CIELab	<a href="#">92.00, -0.54, 2.54</a>
CIElCh	<a href="#">92, 2.592, 101.993</a>
Yxy	<a href="#">80.7044, 0.3166, 0.3342</a>
Android (android.graphics.Color)	<a href="#">4293519587</a> ( <a href="#">0xFFE9E8E3</a> )
YUV	<a href="#">231.7290, -2.3314, 1.1147</a>
Hunter-Lab	<a href="#">89.8356, -5.3266, 7.2269</a>

# Details

The CIELCh color **92, 2.592, 101.993** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91, 2.623, 282.717**, 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, 2.194, 100.026** is the 20% darker color. If you saturate the color by 10%, you get **90, 12.749, 100.964**, and if you desaturate by 10%, it is **94, 7.497, 283.191**.

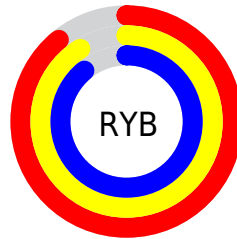
# Distribution



Red (91%)

Green (91%)

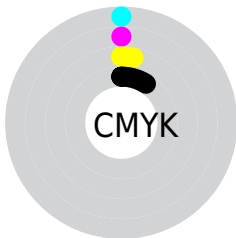
Blue (89%)



Red (89%)

Yellow (91%)

Blue (89%)

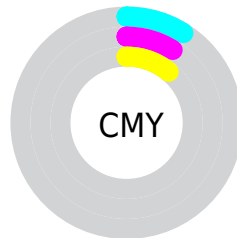


Cyan (0%)

Magenta (0%)

Yellow (3%)

Black (9%)



Cyan (9%)

Magenta (9%)

Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 92, 2.592, 101.993 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, 2.592, 101.993 by changing the saturation by 10% instead.



92, 2.592, 101.993

92, 2.592, 101.993

100, 2.592,  
101.993

82, 2.592, 101.993

72, 2.592, 101.993

62, 2.592, 101.993

52, 2.592, 101.993

42, 2.592, 101.993

32, 2.592, 101.993

22, 2.592, 101.993

12, 2.592, 101.993

2, 2.592, 101.993

92, 2.592, 101.993

92, 2.592, 101.993

90, 12.749,  
100.964

94, 7.497, 283.191

89, 22.936, 99.823

95, 8.059, 274.185

88, 33.094, 98.655

96, 6.748, 258.127

86, 43.118, 97.471

97, 6.161, 237.019

85, 52.825, 96.284

98, 6.488, 215.108

84, 61.910, 95.099

98, 7.469, 199.021

83, 69.893, 93.921

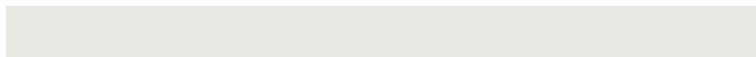
81, 76.103, 92.737

80, 79.838, 91.515

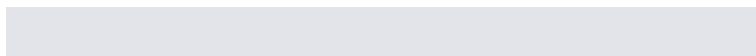
# Harmonies

# Complementary

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



92, 2.592, 101.993



91, 2.623, 282.717

# Rectangle

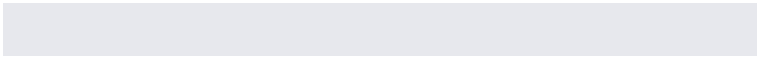
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



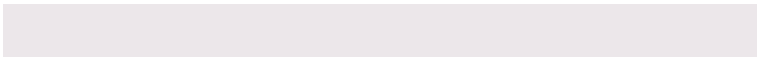
92, 2.592, 101.993



92, 2.592, 151.993



92, 2.592, 281.993



92, 2.592, 331.993

# Sweetspot

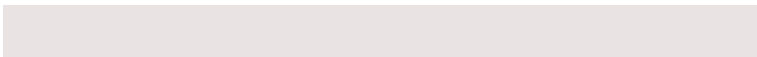
The Sweet Spot groups the original color and five complimentary colors.



92, 2.594, 102.032



100, 1.076, 102.109



91, 2.218, 5.789



53, 0.611, 102.106



0, 0.000, 0.000



53, 0.007, 296.813

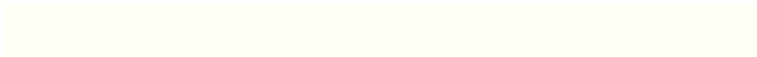


# Same Dimension

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



92, 2.594, 102.032



99, 3.253, 101.993



92, 3.176, 122.932



49, 2.305, 101.918



63, 67.190, 90.788



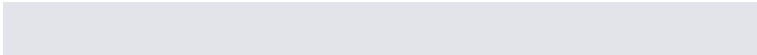
18, 26.460, 93.051





# Inverse Universe

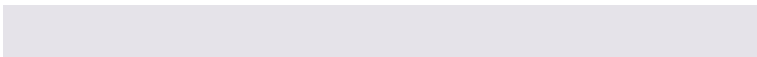
The Inverse Universe completely reimagines the original color for something new.



91, 2.623, 282.717



98, 3.287, 282.759



91, 3.211, 303.166



48, 2.328, 282.837



25, 93.555, 303.429

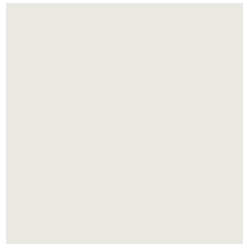


4, 31.645, 294.412



# Previews

## White Background



This preview shows how the CIE LCh color 92, 2.592, 101.993 looks on a white background.

## Color Contrast Check

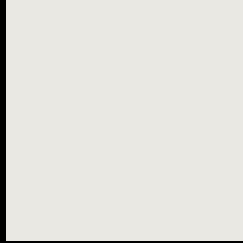
Large Text (above 18pt) WCAG AA × Fail

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 92, 2.592, 101.993 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

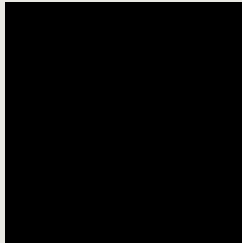
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

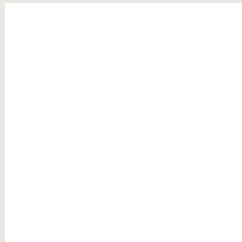
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 92, 2.592, 101.993

## Background



This preview shows how black text looks on a background with the CIELCh color 92, 2.592, 101.993.

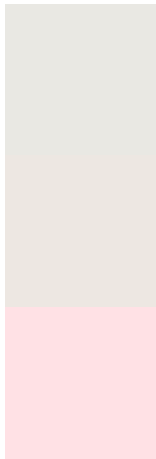


This preview shows how white text looks on a background with the CIELCh color 92, 2.592, 101.993.

# 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](#).

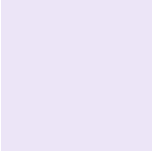
## Dichromacy



**Original Color**  
92, 2.592, 101.993

**Protanopia**  
92, 3.345, 69.671

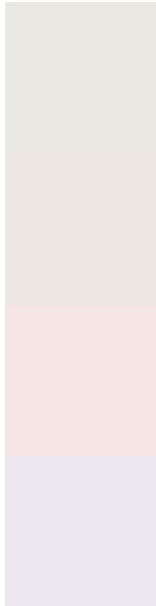
**Deuteranopia**  
92, 11.095, 9.475



**Tritanopia**  
92, 9.672, 305.460



# Trichromacy



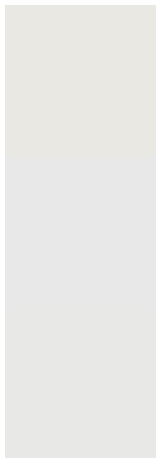
**Original Color**  
92, 2.592, 101.993

**Protanomaly**  
92, 3.125, 74.772

**Deuteranomaly**  
92, 6.877, 19.797

**Tritanomaly**  
92, 5.495, 309.227

# Monochromacy



**Original Color**  
92, 2.592, 101.993

**Achromatopsia**  
92, 0.011, 296.813

**Achromatomaly**  
92, 1.022, 110.025

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 92, 2.592, 101.993 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, 232, 227)` looks like.

```
.text, #text, p{  
    color:rgb(233, 232, 227)  
}
```

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, 232, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 232, 227) }
```

## Border

The CSS property to change the border of an element to CIELCh 92, 2.592, 101.993 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, 232, 227) }
```

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

```
.border{ border-color:rgb(233, 232, 227) }
```

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

Here you see how a box with a 4 pixel rgb(233, 232, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 232, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 232, 227);  
box-shadow:4px 4px 4px 4px rgb(233, 232,  
227) }
```

# Background

The CSS property to change the background color of an element to CIELCh 92, 2.592, 101.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 232, 227) }
```

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

```
.background{ background-color: rgb(233,  
232, 227) }
```

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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