

Converting Colors

CIELCh(91, 2.016, 34.633)

Have a look what the booklet for
CIELCh(91, 2.016, 34.633) contains.

CIELCh(91, 2.208, 32.809)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(91, 2.208, 32.809)

Conversions

Conversions Part 1

Format	Color
Hex	EAE4E3
RGB	234, 228, 227
RGB Percent	92%, 89%, 89%
CMY	0.0826, 0.1061, 0.1100
CMYK	0.00, 0.03, 0.03, 0.08
HSL	9°, 14%, 90%
HSV	9°, 3%, 92%
XYZ	75.5001, 78.4833, 83.8032
YIQ	229.6800, 3.8970, 0.9610

Conversions

Conversions Part 2

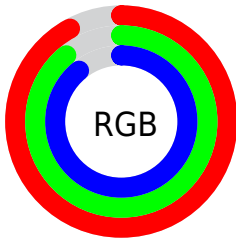
Format	Color
R_{YB}	234, 228, 227
Decimal	15394019
CIE Lab	91.00, 1.86, 1.20
CIE LCh	91, 2.208, 32.809
Yxy	78.4833, 0.3175, 0.3301
Android (android.graphics.Color)	4293584099 (0xFFEAE4E3)
YUV	229.6800, -1.3212, 3.7886
Hunter-Lab	88.5908, -2.9101, 5.9277

Details

The CIELCh color **91, 2.208, 32.809** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **92, 2.168, 213.418**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **71, 1.961, 35.410** is the 20% darker color. If you saturate the color by 10%, you get **85, 9.991, 33.199**, and if you desaturate by 10%, it is **97, 4.969, 213.270**.

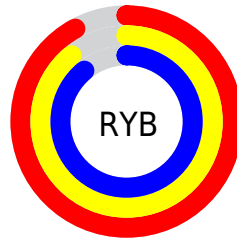
Distribution



Red (92%)

Green (89%)

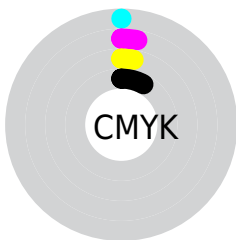
Blue (89%)



Red (92%)

Yellow (89%)

Blue (89%)

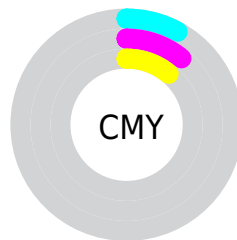


Cyan (0%)

Magenta (3%)

Yellow (3%)

Black (8%)



Cyan (8%)

Magenta (11%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 2.208, 32.809 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, 2.208, 32.809 by changing the saturation by 10% instead.

91, 2.208, 32.809

91, 2.208, 32.809

100, 2.208, 32.809

81, 2.208, 32.809

71, 2.208, 32.809

61, 2.208, 32.809

51, 2.208, 32.809

41, 2.208, 32.809

31, 2.208, 32.809

21, 2.208, 32.809

11, 2.208, 32.809

1, 2.208, 32.809

91, 2.208, 32.809

91, 2.208, 32.809

85, 9.991, 33.199

97, 4.969, 213.270

80, 18.441, 33.472

99, 7.204, 199.041

75, 27.598, 33.907

70, 37.468, 34.565

65, 48.006, 35.502

61, 59.077, 36.758

57, 70.394, 38.318

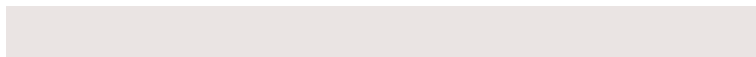
54, 81.353, 40.006

51, 90.617, 41.276

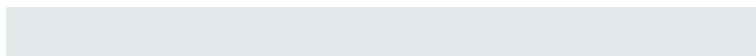
Harmonies

Complementary

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



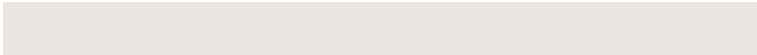
91, 2.208, 32.809



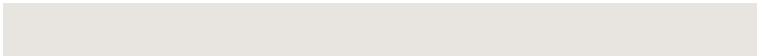
92, 2.168, 213.418

Rectangle

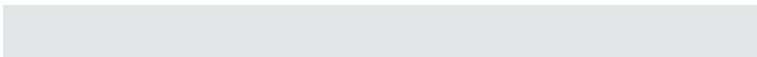
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



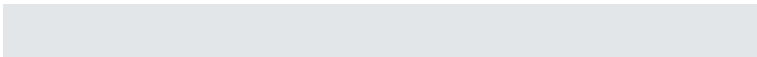
91, 2.208, 32.809



91, 2.208, 82.809



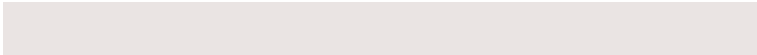
91, 2.208, 212.809



91, 2.208, 262.809

Sweetspot

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



91, 2.207, 32.870



99, 0.784, 32.296



91, 4.040, 328.403



53, 0.445, 32.251



0, 0.000, 0.000



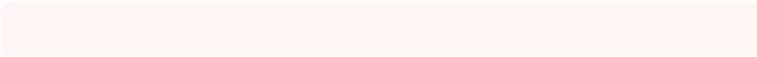
53, 0.007, 296.813

Same Dimension

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



91, 2.207, 32.870



98, 3.177, 32.949



92, 2.449, 87.873



48, 2.115, 32.986



39, 78.345, 42.036



8, 25.790, 30.792

Inverse Universe

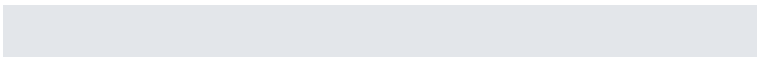
The Inverse Universe completely reimagines the original color for something new.



92, 2.168, 213.418



99, 3.100, 213.346



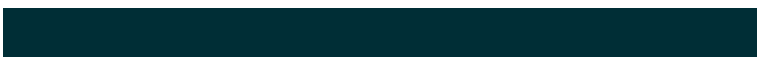
91, 2.463, 268.866



49, 2.054, 213.315



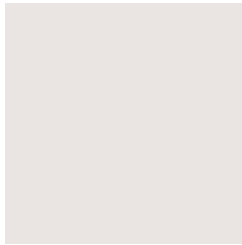
59, 33.753, 223.202



17, 14.571, 218.766

Previews

White Background



This preview shows how the CIELCh color 91, 2.208, 32.809 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, 2.208, 32.809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

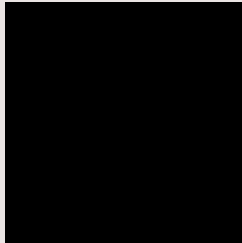
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

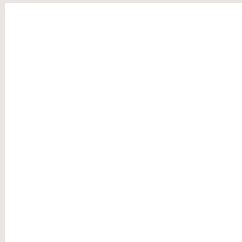
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 2.208, 32.809

Background



This preview shows how black text looks on a background with the CIELCh color 91, 2.208, 32.809.



This preview shows how white text looks on a background with the CIELCh color 91, 2.208, 32.809.

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](#).

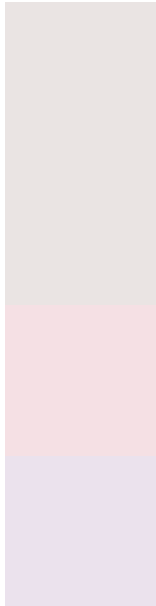
Dichromacy





Tritanopia
91, 10.156, 313.145

Trichromacy



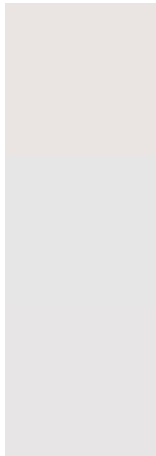
Original Color
91, 2.208, 32.809

Protanomaly
91, 2.208, 32.809

Deuteranomaly
91, 7.878, 4.704

Tritanomaly
91, 6.573, 319.524

Monochromacy



Original Color
91, 2.208, 32.809

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 0.715, 18.600

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 2.208, 32.809 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(234, 228, 227)` looks like.

```
.text, #text, p{  
    color:rgb(234, 228, 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(234, 228, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 228, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 2.208, 32.809 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(234, 228, 227) }
```

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

```
.border{ border-color:rgb(234, 228, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 228, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 228, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 228, 227);  
box-shadow:4px 4px 4px 4px rgb(234, 228,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 2.208, 32.809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 228, 227) }
```

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

```
.background{ background-color: rgb(234,  
228, 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](#).

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