

Converting Colors

CIELCh(91, 4.373, 45.013)

Have a look what the booklet for
CIELCh(91, 4.373, 45.013) contains.

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Color

CIELCh(91, 4.475, 46.993)

Conversions

Conversions Part 1

Format	Color
Hex	EEE3DF
RGB	238, 227, 223
RGB Percent	93%, 89%, 87%
CMY	0.0665, 0.1096, 0.1253
CMYK	0.00, 0.05, 0.06, 0.07
HSL	16°, 31%, 90%
HSV	16°, 6%, 93%
XYZ	76.0869, 78.4833, 80.9877
YIQ	229.8330, 7.8400, 1.0880

Conversions

Conversions Part 2

Format	Color
R _Y B	238, 228, 223
Decimal	15655903
CIE Lab	91.00, 3.05, 3.27
CIE LCh	91, 4.475, 46.993
Yxy	78.4833, 0.3230, 0.3332
Android (android.graphics.Color)	4293845983 (0xFFEEE3DF)
YUV	229.8330, -3.3687, 7.1625
Hunter-Lab	88.5908, -1.7278, 7.8120

Details

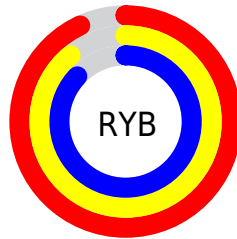
The CIELCh color **91, 4.475, 46.993** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **92, 4.322, 227.983**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **71, 4.393, 49.233** is the 20% darker color. If you saturate the color by 10%, you get **86, 12.044, 46.646**, and if you desaturate by 10%, it is **96, 2.536, 227.919**.

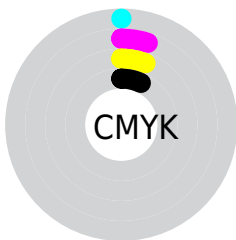
Distribution



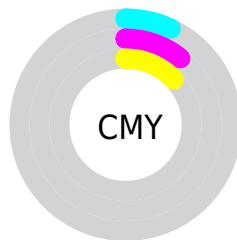
- Red (93%)
- Green (89%)
- Blue (87%)



- Red (93%)
- Yellow (89%)
- Blue (87%)



- Cyan (0%)
- Magenta (5%)
- Yellow (6%)
- Black (7%)




- Cyan (7%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 4.475, 46.993 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 91, 4.475, 46.993 by changing the saturation by 10% instead.

 91, 4.475, 46.993	 91, 4.475, 46.993
 100, 4.475, 46.993	 81, 4.475, 46.993
	 71, 4.475, 46.993
	 61, 4.475, 46.993
	 51, 4.475, 46.993
	 41, 4.475, 46.993
	 31, 4.475, 46.993
	 21, 4.475, 46.993
	 11, 4.475, 46.993
	 1, 4.475, 46.993

91, 4.475, 46.993

91, 4.475, 46.993

86, 12.044, 46.646

96, 2.536, 227.919

81, 20.231, 46.289

99, 5.822, 199.150

77, 29.083, 46.032

72, 38.623, 45.911

68, 48.825, 45.944

64, 59.563, 46.124

60, 70.515, 46.372

57, 80.922, 46.436

55, 89.261, 45.760

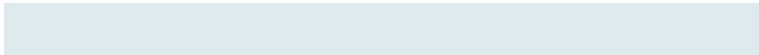
Harmonies

Complementary

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



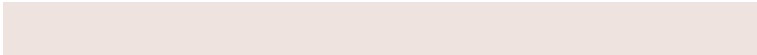
91, 4.475, 46.993



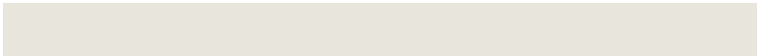
92, 4.322, 227.983

Rectangle

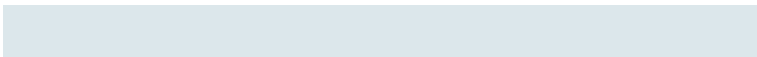
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 4.475, 46.993



91, 4.475, 96.993



91, 4.475, 226.993



91, 4.475, 276.993

Sweetspot

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



91, 4.475, 47.026



99, 1.475, 46.954



90, 7.860, 333.341



53, 0.838, 46.937



0, 0.000, 0.000



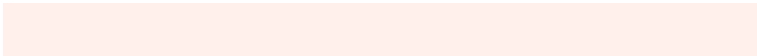
53, 0.007, 296.813

Same Dimension

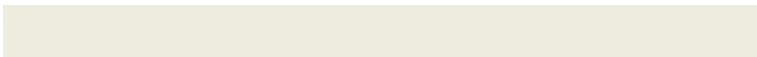
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 4.475, 47.026



96, 6.048, 46.970



93, 6.034, 97.562



48, 4.109, 46.917



42, 75.145, 45.951



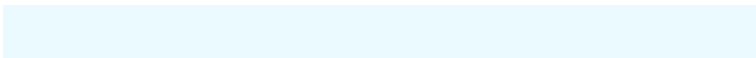
10, 25.260, 39.588

Inverse Universe

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



92, 4.322, 227.983



97, 5.780, 228.066



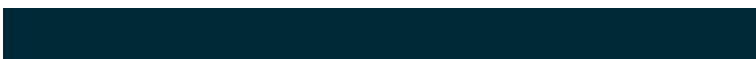
90, 6.081, 279.118



48, 3.891, 228.148



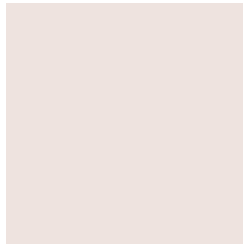
53, 36.476, 249.679



15, 15.295, 241.993

Previews

White Background



This preview shows how the CIELCh color 91, 4.475, 46.993 looks on a white background.

Color Contrast Check

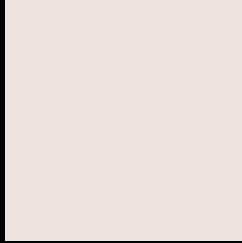
Large Text (above 18pt) WCAG AA × Fail

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 91, 4.475, 46.993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

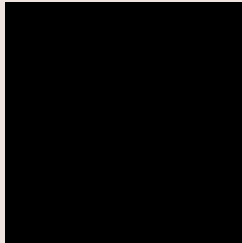
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

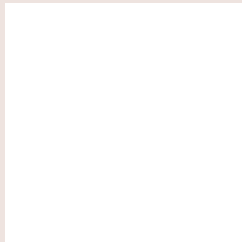
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 4.475, 46.993

Background



This preview shows how black text looks on a background with the CIELCh color 91, 4.475, 46.993.

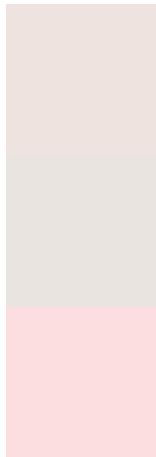


This preview shows how white text looks on a background with the CIELCh color 91, 4.475, 46.993.

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

91, 4.475, 46.993

Protanopia

91, 2.974, 63.293

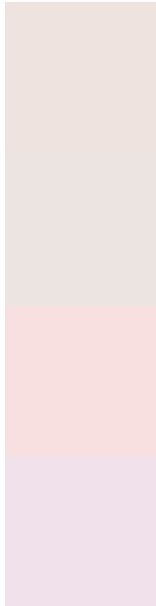
Deuteranopia

91, 11.384, 14.988



Tritanopia
91, 11.148, 323.305

Trichromacy



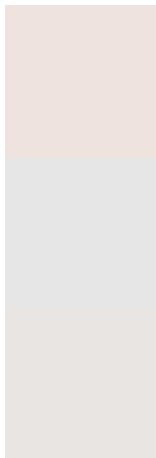
Original Color
91, 4.475, 46.993

Protanomaly
91, 3.246, 58.864

Deuteranomaly
91, 8.749, 19.956

Tritanomaly
91, 7.481, 336.052

Monochromacy



Original Color
91, 4.475, 46.993

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 1.754, 55.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 4.475, 46.993 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(238, 227, 223)` looks like.

```
.text, #text, p{  
    color:rgb(238, 227, 223)  
}
```

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(238, 227, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 227, 223) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 4.475, 46.993 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(238, 227, 223) }
```

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

```
.border{ border-color:rgb(238, 227, 223) }
```

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

Here you see how a box with a 4 pixel rgb(238, 227, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 227, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 227, 223);  
box-shadow:4px 4px 4px 4px rgb(238, 227,  
223) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 4.475, 46.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 227, 223) }
```

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

```
.background{ background-color: rgb(238,  
227, 223) }
```

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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