

Converting Colors

CIELCh(91, 13.538, 101.154)

Have a look what the booklet for
CIELCh(91, 13.538, 101.154)
contains.

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Color

CIELCh(91, 13.529, 101.160)

Conversions

Conversions Part 1

Format	Color
Hex	EBE6CC
RGB	235, 230, 204
RGB Percent	92%, 90%, 80%
CMY	0.0791, 0.0987, 0.2006
CMYK	0.00, 0.02, 0.13, 0.08
HSL	50°, 43%, 86%
HSV	50°, 13%, 92%
XYZ	73.3327, 78.4833, 68.3053
YIQ	228.5310, 11.3260, -7.0260

Conversions

Conversions Part 2

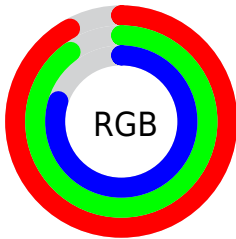
Format	Color
R _Y B	210, 235, 204
Decimal	15460044
CIE Lab	91.00, -2.62, 13.27
CIE LCh	91, 13.529, 101.160
Yxy	78.4833, 0.3331, 0.3565
Android (android.graphics.Color)	4293650124 (0xFFEBE6CC)
YUV	228.5310, -12.0938, 5.6733
Hunter-Lab	88.5908, -7.2773, 16.2998

Details

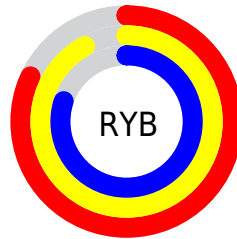
The CIELCh color **91, 13.529, 101.160** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **84, 13.785, 284.240**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **100, 0.012, 296.813**, and **71, 13.647, 102.147** is the 20% darker color. If you saturate the color by 10%, you get **90, 23.824, 100.030**, and if you desaturate by 10%, it is **92, 3.262, 102.247**.

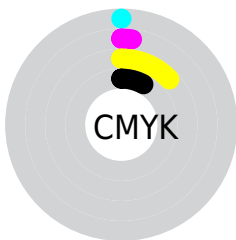
Distribution



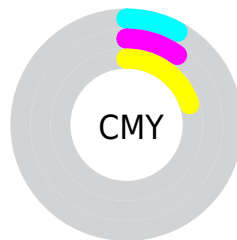
- Red (92%)
- Green (90%)
- Blue (80%)



- Red (82%)
- Yellow (92%)
- Blue (80%)



- Cyan (0%)
- Magenta (2%)
- Yellow (13%)
- Black (8%)





- Cyan (8%)
- Magenta (10%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 13.529, 101.160 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, 13.529, 101.160 by changing the saturation by 10% instead.


 91, 13.529,
101.160


 91, 13.529,
101.160


 100, 13.529,
101.160


 81, 13.529,
101.160


 71, 13.529,
101.160

 61, 13.529,
101.160

 51, 13.529,
101.160

 41, 13.529,
101.160

 31, 13.529,
101.160

 21, 13.529,

101.160

■ 11, 13.529,
101.160

■ 1, 13.529, 101.160

■ 91, 13.529,
101.160

■ 91, 13.529,
101.160

■ 90, 23.824,
100.030

■ 92, 3.262, 102.247

■ 88, 34.077, 98.866

■ 94, 6.945, 283.393

■ 87, 44.180, 97.689

■ 95, 7.385, 273.609

■ 86, 53.939, 96.510

■ 96, 6.149, 256.218

■ 84, 63.037, 95.337

■ 97, 5.687, 233.487

■ 98, 6.169, 210.914

■ 83, 70.975, 94.174

■ 99, 6.908, 199.064

■ 82, 77.072, 93.011

■ 81, 80.636, 91.814

■ 80, 81.732, 90.966

Harmonies

Complementary

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



91, 13.529, 101.160



84, 13.785, 284.240

Rectangle

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



91, 13.529, 101.160



91, 13.529, 151.160



91, 13.529, 281.160



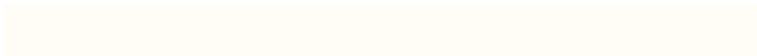
91, 13.529, 331.160

Sweetspot

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



91, 13.531, 101.169



99, 4.365, 102.166



85, 11.785, 7.029



53, 3.104, 102.089



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, 13.531, 101.169



97, 17.548, 100.845



92, 16.425, 122.331



48, 5.812, 101.584



64, 67.363, 91.189



19, 26.571, 93.410

Inverse Universe

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



84, 13.785, 284.240



89, 17.947, 284.629



84, 16.831, 303.808



46, 5.895, 283.762



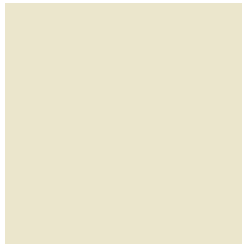
24, 93.976, 303.561



4, 31.762, 294.522

Previews

White Background



This preview shows how the CIELCh color 91, 13.529, 101.160 looks on a white background.

Color Contrast Check

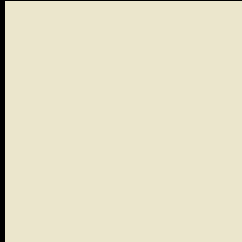
Large Text (above 18pt) WCAG AA × Fail

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, 13.529, 101.160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

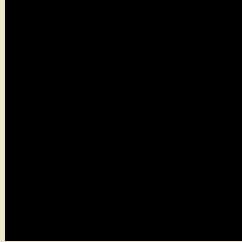
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

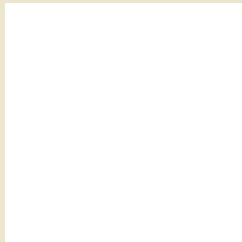
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 13.529, 101.160

Background



This preview shows how black text looks on a background with the CIELCh color 91, 13.529, 101.160.

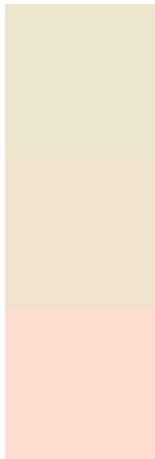


This preview shows how white text looks on a background with the CIELCh color 91, 13.529, 101.160.

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, 13.529, 101.160

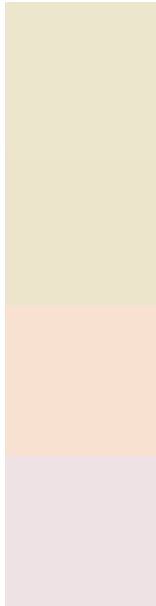
Protanopia
91, 13.541, 91.392

Deuteranopia
91, 13.866, 46.560



Tritanopia
91, 10.962, 321.734

Trichromacy



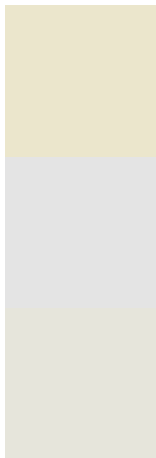
Original Color
91, 13.529, 101.160

Protanomaly
91, 13.736, 96.492

Deuteranomaly
91, 12.312, 65.090

Tritanomaly
91, 4.447, 6.142

Monochromacy



Original Color
91, 13.529, 101.160

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 5.173, 105.727

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 13.529, 101.160 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(235, 230, 204)` looks like.

```
.text, #text, p{  
    color:rgb(235, 230, 204)  
}
```

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(235, 230, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 230, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 13.529, 101.160 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(235, 230, 204) }
```

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

```
.border{ border-color:rgb(235, 230, 204) }
```

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

Here you see how a box with a 4 pixel rgb(235, 230, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 230, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 230, 204);  
box-shadow:4px 4px 4px 4px rgb(235, 230,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 13.529, 101.160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 230, 204) }
```

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

```
.background{ background-color: rgb(235,  
230, 204) }
```

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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