

Converting Colors

CIELCh(100, 60.081, 51.706)

Have a look what the booklet for
CIELCh(100, 60.081, 51.706)
contains.

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Color

CIELCh(91, 33.235, 86.496)

Conversions

Conversions Part 1

Format	Color
Hex	FFE2A6
RGB	255, 226, 166
RGB Percent	100%, 89%, 65%
CMY	0.0000, 0.1143, 0.3498
CMYK	0.00, 0.11, 0.35, 0.00
HSL	40°, 100%, 83%
HSV	40°, 35%, 100%
XYZ	75.5860, 78.4833, 47.1490
YIQ	227.8310, 36.5440, -12.5120

Conversions

Conversions Part 2

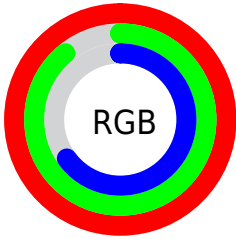
Format	Color
R_{YB}	209, 255, 166
Decimal	16769702
CIE _{Lab}	91.00, 2.03, 33.17
CIE _{LCh}	91, 33.235, 86.496
Yxy	78.4833, 0.3756, 0.3900
Android (android.graphics.Color)	4294959782 (0xFFFFE2A6)
YUV	227.8310, -30.4827, 23.8272
Hunter-Lab	88.5908, -2.7371, 30.4588

Details

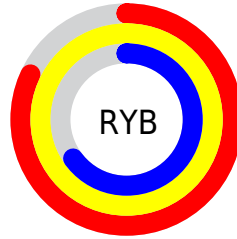
The CIELCh color **91, 33.235, 86.496** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **79, 32.963, 277.336**, and the grayscale version is **91, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 17.195, 108.877**, and **71, 33.340, 87.487** is the 20% darker color. If you saturate the color by 10%, you get **88, 42.865, 85.677**, and if you desaturate by 10%, it is **93, 23.423, 88.427**.

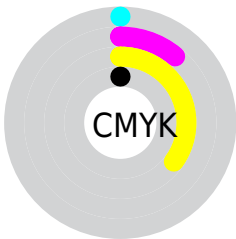
Distribution



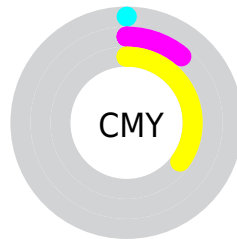
- Red (100%)
- Green (89%)
- Blue (65%)



- Red (82%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (11%)
- Yellow (35%)
- Black (0%)



- Cyan (0%)
- Magenta (11%)
- Yellow (35%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 33.235, 86.496 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, 33.235, 86.496 by changing the saturation by 10% instead.

 91, 33.235, 86.496

 91, 33.235, 86.496

 100, 33.235,
86.496

 81, 33.235, 86.496

 71, 33.235, 86.496

 61, 33.235, 86.496

 51, 33.235, 86.496

 41, 33.235, 86.496

 31, 33.235, 86.496

 21, 33.235, 86.496

 11, 33.235, 86.496

 1, 33.235, 86.496

91, 33.235, 86.496

91, 33.235, 86.496

88, 42.865, 85.677

93, 23.423, 88.427

86, 52.565, 84.234

96, 13.901, 89.735

84, 61.913, 82.722

99, 4.564, 90.966

82, 70.395, 81.087

100, 0.012,
296.813

79, 77.194, 79.221

77, 81.341, 76.943

76, 82.536, 75.649

Harmonies

Complementary

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



91, 33.235, 86.496



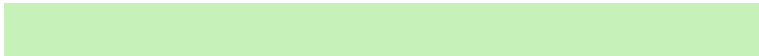
79, 32.963, 277.336

Rectangle

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



91, 33.235, 86.496



91, 33.235, 136.496



91, 33.235, 266.496



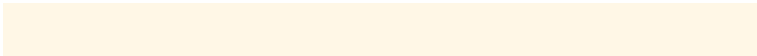
91, 33.235, 316.496

Sweetspot

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



91, 33.102, 87.073



97, 9.230, 90.364



78, 36.814, 357.716



52, 6.307, 90.188



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

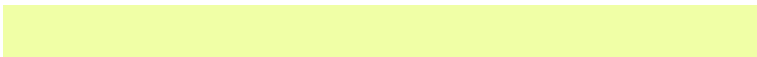
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 33.102, 87.073



89, 39.957, 86.097



97, 44.976, 114.146



52, 5.245, 90.425



59, 66.503, 76.186



19, 28.183, 78.950

Inverse Universe

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



79, 32.963, 277.336



74, 39.833, 278.905



72, 48.893, 299.973



50, 5.247, 272.926



32, 79.803, 297.049



8, 32.017, 291.969

Previews

White Background



This preview shows how the CIE LCh color 91, 33.235, 86.496 looks on a white background.

Color Contrast Check

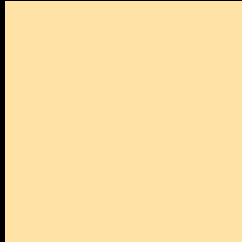
Large Text (above 18pt) WCAG AA × Fail

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, 33.235, 86.496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

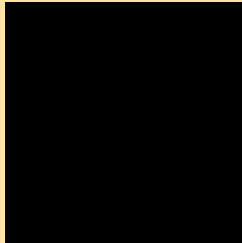
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 91, 33.235, 86.496

Background



This preview shows how black text looks on a background with the CIELCh color 91, 33.235, 86.496.

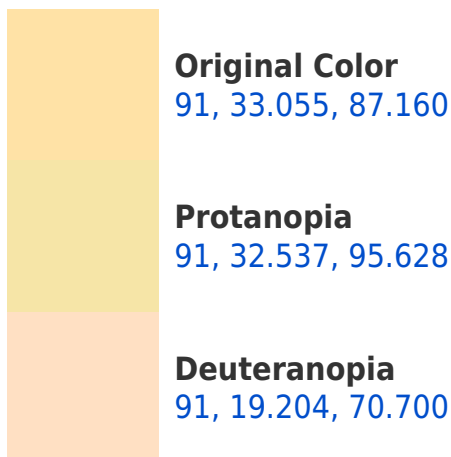


This preview shows how white text looks on a background with the CIELCh color 91, 33.235, 86.496.

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](#).

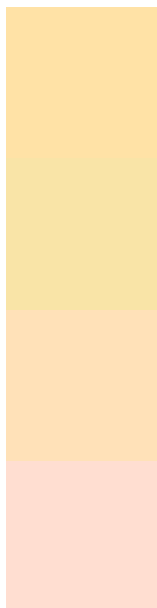
Dichromacy





Tritanopia
91, 14.315, 352.485

Trichromacy



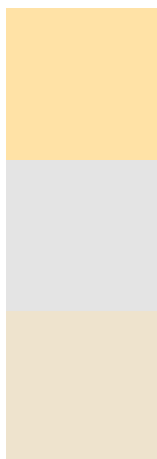
Original Color
91, 33.055, 87.160

Protanomaly
91, 32.458, 92.730

Deuteranomaly
91, 24.264, 79.647

Tritanomaly
91, 14.127, 48.368

Monochromacy



Original Color
91, 33.055, 87.160

Achromatopsia
91, 0.011, 296.813

Achromatomaly
91, 12.078, 89.359

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 33.235, 86.496 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(255, 226, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 166)  
}
```

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(255, 226, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 33.235, 86.496 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(255, 226, 166) }
```

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

```
.border{ border-color:rgb(255, 226, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 33.235, 86.496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 166) }
```

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

```
.background{ background-color: rgb(255,  
226, 166) }
```

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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