

Converting Colors

CIELCh(96, 49.630, 62.506)

Have a look what the booklet for
CIELCh(96, 49.630, 62.506) contains.

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Color

CIELCh(91, 36.118, 87.852)

Conversions

Conversions Part 1

Format	Color
Hex	FFE2A0
RGB	255, 226, 160
RGB Percent	100%, 89%, 63%
CMY	0.0000, 0.1132, 0.3723
CMYK	0.00, 0.11, 0.37, 0.00
HSL	42°, 100%, 81%
HSV	42°, 37%, 100%
XYZ	75.2548, 78.4833, 44.4719
YIQ	227.1470, 38.4700, -14.3780

Conversions

Conversions Part 2

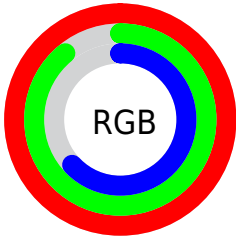
Format	Color
R_{YB}	202, 255, 160
Decimal	16769696
CIE _{Lab}	91.00, 1.35, 36.09
CIE _{LCh}	91, 36.118, 87.852
Yxy	78.4833, 0.3797, 0.3960
Android (android.graphics.Color)	4294959776 (0xFFFFE2A0)
YUV	227.1470, -33.1035, 24.4271
Hunter-Lab	88.5908, -3.4043, 32.2505

Details

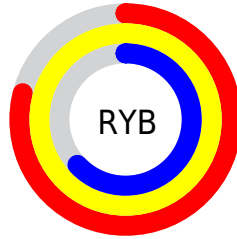
The CIELCh color **91, 36.118, 87.852** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **77, 36.188, 279.482**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 20.216, 108.647**, and **71, 35.843, 88.501** is the 20% darker color. If you saturate the color by 10%, you get **89, 45.812, 87.182**, and if you desaturate by 10%, it is **93, 26.109, 89.915**.

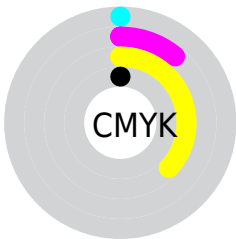
Distribution



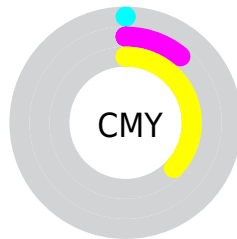
- Red (100%)
- Green (89%)
- Blue (63%)



- Red (79%)
- Yellow (100%)
- Blue (63%)



- Cyan (0%)
- Magenta (11%)
- Yellow (37%)
- Black (0%)



- Cyan (0%)
- Magenta (11%)
- Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 36.118, 87.852 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, 36.118, 87.852 by changing the saturation by 10% instead.

 91, 36.118, 87.852

 91, 36.118, 87.852

 100, 36.118,
87.852

 81, 36.118, 87.852

 71, 36.118, 87.852

 61, 36.118, 87.852

 51, 36.118, 87.852

 41, 36.118, 87.852

 31, 36.118, 87.852

 21, 36.118, 87.852

 11, 36.118, 87.852

 1, 36.118, 87.852

91, 36.118, 87.852

91, 36.118, 87.852

89, 45.812, 87.182

93, 26.109, 89.915

86, 55.503, 85.749

96, 16.378, 91.218

84, 64.681, 84.246

98, 6.803, 92.463

82, 72.755, 82.618

100, 0.012,
296.813

80, 78.851, 80.756

78, 82.112, 78.496

78, 82.715, 77.827

Harmonies

Complementary

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



91, 36.118, 87.852



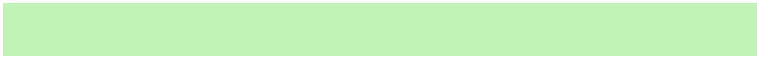
77, 36.188, 279.482

Rectangle

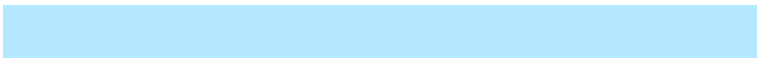
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 36.118, 87.852



91, 36.118, 137.852



91, 36.118, 267.852



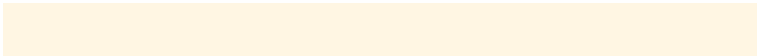
91, 36.118, 317.852

Sweetspot

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



91, 35.952, 88.568



97, 10.396, 92.003



76, 39.012, 359.235



52, 6.995, 91.835



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, 35.952, 88.568



89, 43.622, 87.494



97, 47.857, 114.710



52, 5.365, 92.188



60, 66.671, 78.325



20, 28.515, 81.046

Inverse Universe

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



77, 36.188, 279.482



72, 44.113, 281.264



71, 52.304, 300.766



50, 5.380, 274.653



31, 82.609, 298.231



8, 33.157, 293.324

Previews

White Background



This preview shows how the CIE LCh color 91, 36.118, 87.852 looks on a white background.

Color Contrast Check

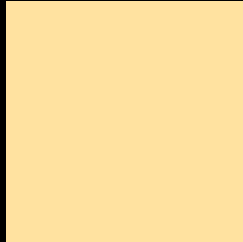
Large Text (above 18pt) WCAG AA × Fail

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, 36.118, 87.852 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, 36.118, 87.852

Background



This preview shows how black text looks on a background with the CIELCh color 91, 36.118, 87.852.



This preview shows how white text looks on a background with the CIELCh color 91, 36.118, 87.852.

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, 35.946, 88.477

Protanopia

91, 35.594, 95.675

Deuteranopia

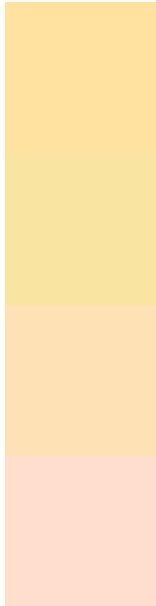
91, 19.625, 71.554



Tritanopia

91, 14.095, 354.359

Trichromacy



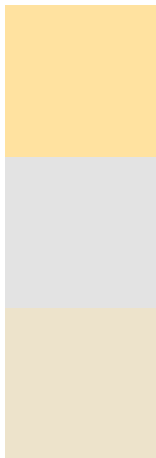
Original Color
91, 35.946, 88.477

Protanomaly
91, 35.513, 93.012

Deuteranomaly
91, 25.187, 80.626

Tritanomaly
91, 14.991, 53.379

Monochromacy



Original Color
91, 35.946, 88.477

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 12.945, 92.349

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 36.118, 87.852 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 36.118, 87.852 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, 160) }
```

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

```
.border{ border-color:rgb(255, 226, 160) }
```

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, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 36.118, 87.852 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, 160) }
```

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

```
.background{ background-color: rgb(255,  
226, 160) }
```

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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