

Converting Colors

CIELCh(100, 58.948, 55.641)

Have a look what the booklet for
CIELCh(100, 58.948, 55.641)
contains.

CIELCh(91, 35.617, 89.737)	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, 35.617, 89.737)

Conversions

Conversions Part 1

Format	Color
Hex	FEE3A1
RGB	254, 227, 161
RGB Percent	100%, 89%, 63%
CMY	0.0046, 0.1102, 0.3689
CMYK	0.00, 0.11, 0.37, 0.00
HSL	43°, 98%, 81%
HSV	43°, 37%, 100%
XYZ	74.6754, 78.4833, 44.9012
YIQ	227.5490, 37.2780, -14.8020

Conversions

Conversions Part 2

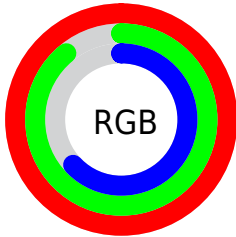
Format	Color
RYB	199, 254, 161
Decimal	16704417
CIELab	91.00, 0.16, 35.62
CIELCh	91, 35.617, 89.737
Yxy	78.4833, 0.3770, 0.3963
Android (android.graphics.Color)	4294894497 (0xFFFE3A1)
YUV	227.5490, -32.8087, 23.1975
Hunter-Lab	88.5908, -4.5718, 31.9631

Details

The CIELCh color **91, 35.617, 89.737** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **76, 36.062, 280.336**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 19.713, 108.686**, and **71, 35.523, 89.849** is the 20% darker color. If you saturate the color by 10%, you get **89, 45.510, 88.373**, and if you desaturate by 10%, it is **93, 25.726, 91.073**.

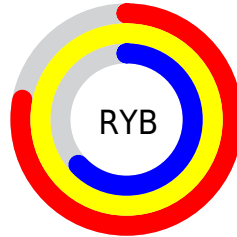
Distribution



Red (100%)

Green (89%)

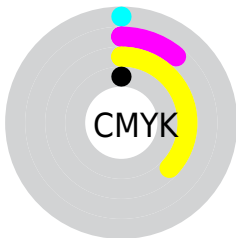
Blue (63%)



Red (78%)

Yellow (100%)

Blue (63%)

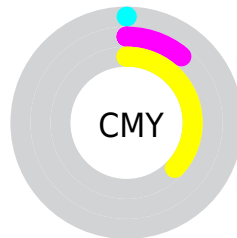


Cyan (0%)

Magenta (11%)

Yellow (37%)

Black (0%)



Cyan (0%)

Magenta (11%)

Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 35.617, 89.737 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, 35.617, 89.737 by changing the saturation by 10% instead.

 91, 35.617, 89.737

 91, 35.617, 89.737

 100, 35.617,
89.737

 81, 35.617, 89.737

 71, 35.617, 89.737

 61, 35.617, 89.737

 51, 35.617, 89.737

 41, 35.617, 89.737

 31, 35.617, 89.737

 21, 35.617, 89.737

 11, 35.617, 89.737

 1, 35.617, 89.737

91, 35.617, 89.737

91, 35.617, 89.737

89, 45.510, 88.373

93, 25.726, 91.073

87, 55.217, 86.961

96, 15.929, 92.362

85, 64.399, 85.487

98, 6.273, 93.591

83, 72.479, 83.904

100, 0.406,
201.013

81, 78.609, 82.115

79, 81.918, 79.971

78, 82.610, 79.183

Harmonies

Complementary

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



91, 35.617, 89.737



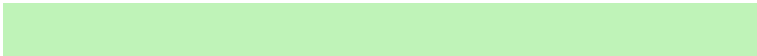
76, 36.062, 280.336

Rectangle

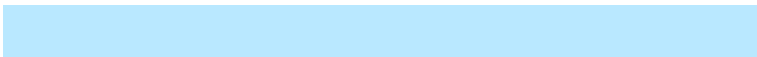
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91, 35.617, 89.737



91, 35.617, 139.737



91, 35.617, 269.737



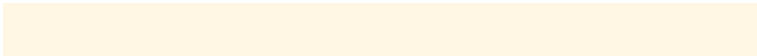
91, 35.617, 319.737

Sweetspot

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



91, 35.618, 89.742



97, 10.545, 93.060



76, 37.974, 0.318



52, 7.094, 92.893



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

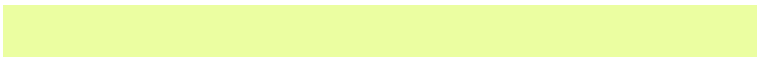
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 35.618, 89.742



90, 43.110, 88.731



96, 46.998, 115.471



52, 5.442, 93.243



60, 66.831, 79.649



20, 28.740, 82.320

Inverse Universe

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



76, 36.062, 280.336



72, 43.896, 281.998



71, 51.207, 301.221



50, 5.465, 275.684



31, 84.327, 298.918



7, 33.839, 294.076

Previews

White Background



This preview shows how the CIE LCh color 91, 35.617, 89.737 looks on a white background.

Color Contrast Check

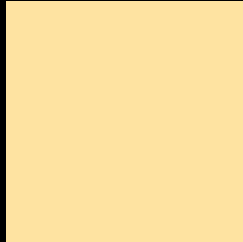
Large Text (above 18pt) WCAG AA × Fail

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, 35.617, 89.737 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, 35.617, 89.737

Background



This preview shows how black text looks on a background with the CIELCh color 91, 35.617, 89.737.



This preview shows how white text looks on a background with the CIELCh color 91, 35.617, 89.737.

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, 35.646, 89.718

Protanopia

91, 35.100, 95.565

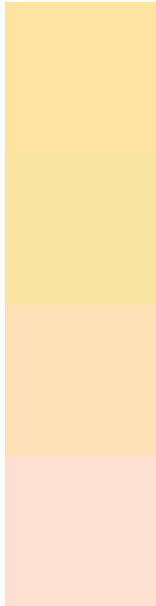
Deuteranopia

91, 19.204, 70.700



Tritanopia
91, 14.315, 352.485

Trichromacy



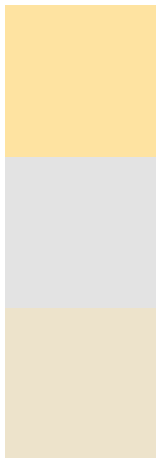
Original Color
91, 35.646, 89.718

Protanomaly
91, 34.918, 93.503

Deuteranomaly
91, 24.725, 80.147

Tritanomaly
91, 14.655, 54.197

Monochromacy



Original Color
91, 35.646, 89.718

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, 35.617, 89.737 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(254, 227, 161)` looks like.

```
.text, #text, p{  
    color:rgb(254, 227, 161)  
}
```

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(254, 227, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 227, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 35.617, 89.737 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(254, 227, 161) }
```

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

```
.border{ border-color:rgb(254, 227, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 227, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 227, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 227, 161);  
box-shadow:4px 4px 4px 4px rgb(254, 227,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 35.617, 89.737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 227, 161) }
```

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

```
.background{ background-color: rgb(254,  
227, 161) }
```

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