

Converting Colors

CIELCh(84, 47.324, 56.460)

Have a look what the booklet for
CIELCh(84, 47.324, 56.460) contains.

CIELCh(82, 40.087, 63.971)	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(82, 40.087, 63.971)

Conversions

Conversions Part 1

Format	Color
Hex	FFBE89
RGB	255, 190, 137
RGB Percent	100%, 75%, 54%
CMY	0.0000, 0.2537, 0.4618
CMYK	0.00, 0.25, 0.46, 0.00
HSL	27°, 100%, 77%
HSV	27°, 46%, 100%
XYZ	64.7741, 60.2982, 31.9802
YIQ	203.3930, 55.7530, -2.7030

Conversions

Conversions Part 2

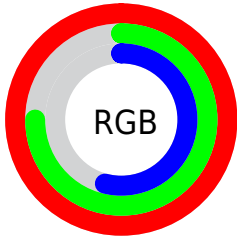
Format	Color
R_{YB}	255, 233, 137
Decimal	16760457
CIE _{Lab}	82.00, 17.59, 36.02
CIE _{LCh}	82, 40.087, 63.971
Yxy	60.2982, 0.4124, 0.3839
Android (android.graphics.Color)	4294950537 (0xFFFFBE89)
YUV	203.3930, -32.7317, 45.2593
Hunter-Lab	77.6519, 13.0066, 29.9383

Details

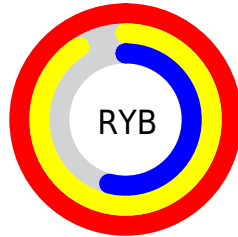
The CIELCh color **82, 40.087, 63.971** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **79, 33.124, 258.189**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 28.118, 100.958**, and **62, 39.911, 64.825** is the 20% darker color. If you saturate the color by 10%, you get **78, 49.530, 63.433**, and if you desaturate by 10%, it is **86, 30.197, 65.696**.

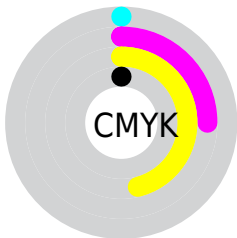
Distribution



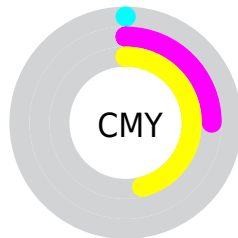
- Red (100%)
- Green (75%)
- Blue (54%)



- Red (100%)
- Yellow (91%)
- Blue (54%)



- Cyan (0%)
- Magenta (25%)
- Yellow (46%)
- Black (0%)



- Cyan (0%)
- Magenta (25%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 40.087, 63.971 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 82, 40.087, 63.971 by changing the saturation by 10% instead.

 82, 40.087, 63.971

 82, 40.087, 63.971

 100, 40.087,
63.971

 72, 40.087, 63.971

 62, 40.087, 63.971

 52, 40.087, 63.971

 42, 40.087, 63.971

 32, 40.087, 63.971

 22, 40.087, 63.971

 12, 40.087, 63.971

 2, 40.087, 63.971

 0, 40.087, 63.971

82, 40.087, 63.971

82, 40.087, 63.971

78, 49.530, 63.433

86, 30.197, 65.696

75, 59.678, 62.273

89, 21.236, 66.839

71, 69.690, 60.983

93, 12.759, 67.983

68, 78.751, 59.338

97, 4.739, 69.075

66, 85.554, 56.938

100, 0.012,
296.813

65, 87.652, 55.903

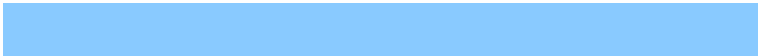
Harmonies

Complementary

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



82, 40.087, 63.971



79, 33.124, 258.189

Rectangle

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



82, 40.087, 63.971



82, 40.087, 113.971



82, 40.087, 243.971



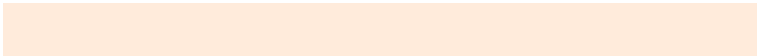
82, 40.087, 293.971

Sweetspot

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



82, 39.647, 64.562



94, 10.972, 68.229



72, 53.901, 345.591



49, 7.621, 67.985



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 39.647, 64.562



79, 48.344, 63.567



96, 55.556, 103.402



51, 4.400, 68.728



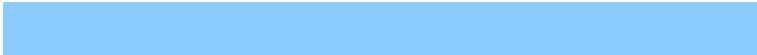
49, 70.261, 56.609



15, 27.138, 56.964

Inverse Universe

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



79, 33.124, 258.189



75, 38.881, 260.740



64, 62.311, 294.952



51, 4.270, 251.136



44, 52.736, 278.903



13, 21.718, 271.984

Previews

White Background



This preview shows how the CIELCh color 82, 40.087, 63.971 looks on a white background.

Color Contrast Check

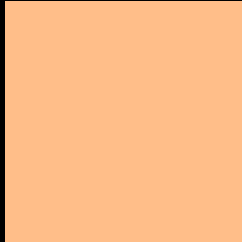
Large Text (above 18pt) WCAG AA × Fail

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 82, 40.087, 63.971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

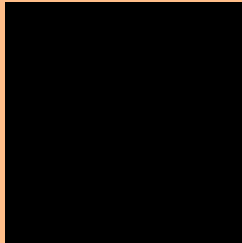
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 82, 40.087, 63.971

Background



This preview shows how black text looks on a background with the CIELCh color 82, 40.087, 63.971.



This preview shows how white text looks on a background with the CIELCh color 82, 40.087, 63.971.

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

82, 39.728, 64.402

Protanopia

82, 32.618, 95.779

Deuteranopia

82, 37.619, 74.419



Tritanopia
82, 27.253, 8.435

Trichromacy



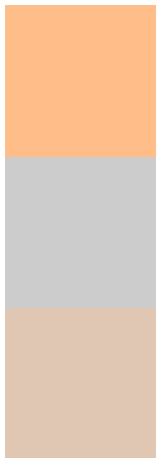
Original Color
82, 39.728, 64.402

Protanomaly
82, 33.752, 82.870

Deuteranomaly
82, 38.370, 70.615

Tritanomaly
82, 27.837, 34.437

Monochromacy



Original Color
82, 39.728, 64.402

Achromatopsia
82, 0.010, 296.813

Achromatomaly
82, 13.705, 66.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 40.087, 63.971 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, 190, 137)` looks like.

```
.text, #text, p{  
    color:rgb(255, 190, 137)  
}
```

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, 190, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 190, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 40.087, 63.971 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, 190, 137) }
```

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

```
.border{ border-color:rgb(255, 190, 137) }
```

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

Here you see how a box with a 4 pixel rgb(255, 190, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 190, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 190, 137);  
box-shadow:4px 4px 4px 4px rgb(255, 190,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 40.087, 63.971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 190, 137) }
```

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

```
.background{ background-color: rgb(255,  
190, 137) }
```

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