

Converting Colors

CIELCh(100, 69.187, 54.501)

Have a look what the booklet for
CIELCh(100, 69.187, 54.501)
contains.

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Color

CIELCh(90, 41.445, 87.917)

Conversions

Conversions Part 1

Format	Color
Hex	FFDF93
RGB	255, 223, 147
RGB Percent	100%, 87%, 58%
CMY	0.0000, 0.1257, 0.4239
CMYK	0.00, 0.13, 0.42, 0.00
HSL	42°, 100%, 79%
HSV	42°, 42%, 100%
XYZ	73.2438, 76.3034, 38.4304
YIQ	223.9040, 43.4680, -16.8520

Conversions

Conversions Part 2

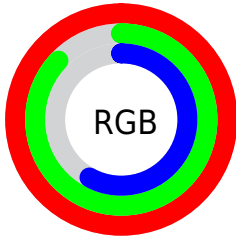
Format	Color
RYB	192, 255, 147
Decimal	16768915
CIELab	90.00, 1.51, 41.42
CIELCh	90, 41.445, 87.917
Yxy	76.3034, 0.3896, 0.4059
Android (android.graphics.Color)	4294958995 (0xFFFFDF93)
YUV	223.9040, -37.9137, 27.2712
Hunter-Lab	87.3518, -3.1948, 35.0616

Details

The CIELCh color **90, 41.445, 87.917** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **73, 41.858, 281.182**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 26.735, 108.148**, and **70, 41.348, 88.200** is the 20% darker color. If you saturate the color by 10%, you get **88, 51.132, 87.059**, and if you desaturate by 10%, it is **92, 31.392, 89.819**.

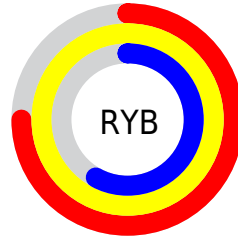
Distribution



Red (100%)

Green (87%)

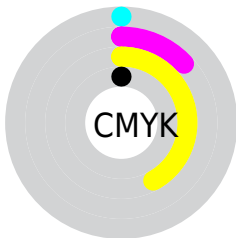
Blue (58%)



Red (75%)

Yellow (100%)

Blue (58%)

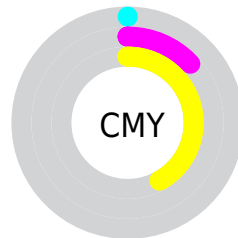


Cyan (0%)

Magenta (13%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 41.445, 87.917 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 90, 41.445, 87.917 by changing the saturation by 10% instead.



90, 41.445, 87.917

90, 41.445, 87.917

88, 51.132, 87.059

92, 31.392, 89.819

86, 60.619, 85.605

95, 21.541, 91.139

84, 69.298, 84.063

97, 11.817, 92.413

82, 76.425, 82.355

99, 2.252, 93.559

80, 81.062, 80.346

100, 0.012,
296.813

78, 82.808, 78.566

Harmonies

Complementary

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



90, 41.445, 87.917



73, 41.858, 281.182

Rectangle

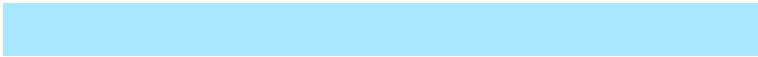
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 41.445, 87.917



90, 41.445, 137.917



90, 41.445, 267.917



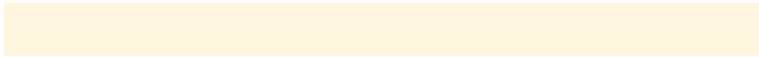
90, 41.445, 317.917

Sweetspot

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



90, 41.302, 88.460



97, 12.405, 92.337



73, 44.333, 1.306



51, 8.698, 92.060



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 41.302, 88.460



88, 49.777, 87.257



96, 54.296, 115.094



52, 5.407, 92.769



60, 66.753, 79.050



20, 28.636, 81.746

Inverse Universe

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



73, 41.858, 281.182



68, 50.873, 283.317



67, 60.168, 301.885



50, 5.426, 275.221



31, 83.552, 298.611



7, 33.533, 293.744

Previews

White Background



This preview shows how the CIE LCh color 90, 41.445, 87.917 looks on a white background.

Color Contrast Check

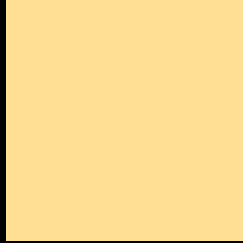
Large Text (above 18pt) WCAG AA × Fail

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 90, 41.445, 87.917 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 90, 41.445, 87.917

Background



This preview shows how black text looks on a background with the CIELCh color 90, 41.445, 87.917.



This preview shows how white text looks on a background with the CIELCh color 90, 41.445, 87.917.

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

90, 41.269, 88.475

Protanopia

90, 40.769, 95.390

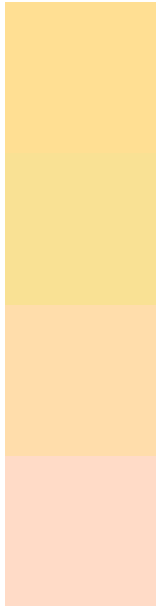
Deuteranopia

90, 23.238, 72.656



Tritanopia
90, 15.672, 355.171

Trichromacy



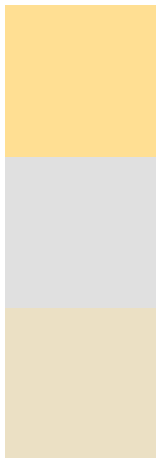
Original Color
90, 41.269, 88.475

Protanomaly
90, 40.699, 93.036

Deuteranomaly
90, 29.307, 80.607

Tritanomaly
90, 17.281, 56.715

Monochromacy



Original Color
90, 41.269, 88.475

Achromatopsia
89, 0.011, 296.813

Achromatomaly
89, 15.080, 92.960

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 41.445, 87.917 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, 223, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 147)  
}
```

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, 223, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 41.445, 87.917 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, 223, 147) }
```

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

```
.border{ border-color:rgb(255, 223, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 41.445, 87.917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 147) }
```

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

```
.background{ background-color: rgb(255,  
223, 147) }
```

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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