

Converting Colors

CIELCh(93, 37.744, 64.005)

Have a look what the booklet for
CIELCh(93, 37.744, 64.005) contains.

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Color

CIELCh(90, 29.556, 81.692)

Conversions

Conversions Part 1

Format	Color
Hex	FFDEAB
RGB	255, 222, 171
RGB Percent	100%, 87%, 67%
CMY	0.0007, 0.1301, 0.3301
CMYK	0.00, 0.13, 0.33, 0.00
HSL	36°, 100%, 83%
HSV	36°, 33%, 100%
XYZ	74.5768, 76.3034, 49.2384
YIQ	226.0530, 36.0390, -8.8650

Conversions

Conversions Part 2

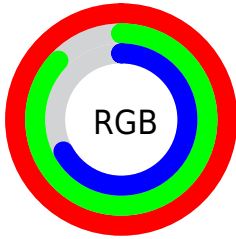
Format	Color
R _Y B	225, 255, 171
Decimal	16768683
CIE Lab	90.00, 4.27, 29.25
CIE LCh	90, 29.556, 81.692
Yxy	76.3034, 0.3727, 0.3813
Android (android.graphics.Color)	4294958763 (0xFFFFDEAB)
YUV	226.0530, -27.1411, 25.3865
Hunter-Lab	87.3518, -0.4708, 27.7257

Details

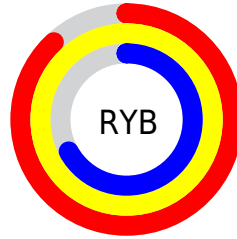
The CIELCh color **90, 29.556, 81.692** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **81, 28.559, 271.505**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 14.168, 109.107**, and **70, 29.705, 81.947** is the 20% darker color. If you saturate the color by 10%, you get **87, 39.041, 80.292**, and if you desaturate by 10%, it is **93, 20.291, 83.064**.

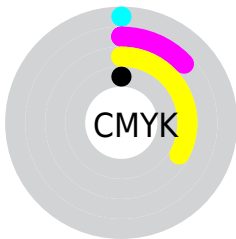
Distribution



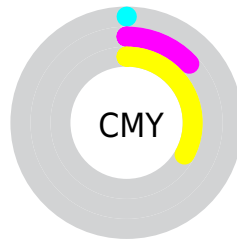
- Red (100%)
- Green (87%)
- Blue (67%)



- Red (88%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (13%)
- Yellow (33%)
- Black (0%)



- Cyan (0%)
- Magenta (13%)
- Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 29.556, 81.692 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, 29.556, 81.692 by changing the saturation by 10% instead.

 90, 29.556, 81.692

 90, 29.556, 81.692

 100, 29.556,
81.692

 80, 29.556, 81.692

 70, 29.556, 81.692

 60, 29.556, 81.692

 50, 29.556, 81.692

 40, 29.556, 81.692

 30, 29.556, 81.692

 20, 29.556, 81.692

 10, 29.556, 81.692

 0, 29.556, 81.692

90, 29.556, 81.692

90, 29.556, 81.692

87, 39.041, 80.292

93, 20.291, 83.064

84, 48.646, 78.841

96, 11.281, 84.383

82, 58.161, 77.320

99, 2.530, 85.568

79, 67.170, 75.669

100, 0.066,
209.478

77, 74.938, 73.761

74, 80.424, 71.369

73, 82.766, 69.345

Harmonies

Complementary

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



90, 29.556, 81.692



81, 28.559, 271.505

Rectangle

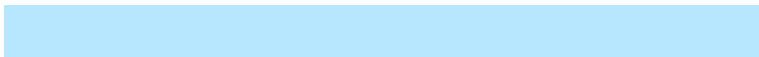
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 29.556, 81.692



90, 29.556, 131.692



90, 29.556, 261.692



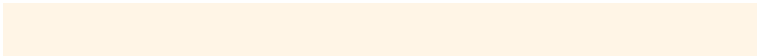
90, 29.556, 311.692

Sweetspot

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



90, 29.557, 81.698



97, 8.670, 84.760



79, 35.656, 352.947



51, 5.928, 84.582



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, 29.557, 81.698



88, 36.238, 80.712



98, 42.186, 111.395



52, 4.925, 84.822



56, 66.636, 69.977



18, 27.441, 72.583

Inverse Universe

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



81, 28.559, 271.505



77, 34.767, 273.084



73, 45.741, 297.579



50, 4.890, 267.399



36, 71.483, 293.018



10, 28.705, 287.363

Previews

White Background



This preview shows how the CIE LCh color 90, 29.556, 81.692 looks on a white background.

Color Contrast Check

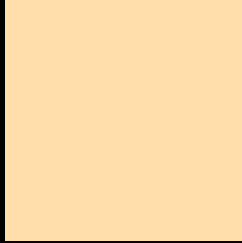
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 29.556, 81.692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

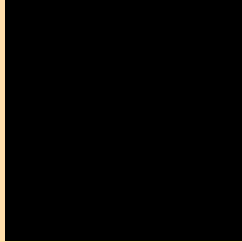
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 29.556, 81.692

Background



This preview shows how black text looks on a background with the CIELCh color 90, 29.556, 81.692.



This preview shows how white text looks on a background with the CIELCh color 90, 29.556, 81.692.

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, 29.556, 81.692

Protanopia

90, 28.039, 94.974

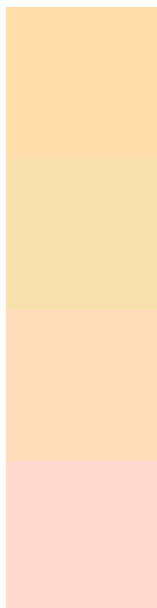
Deuteranopia

90, 20.312, 67.239



Tritanopia
90, 15.883, 353.466

Trichromacy



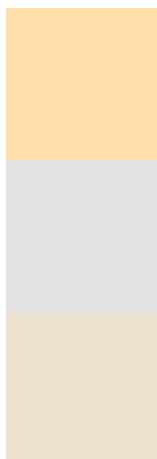
Original Color
90, 29.556, 81.692

Protanomaly
90, 28.380, 89.307

Deuteranomaly
90, 23.414, 74.104

Tritanomaly
90, 14.878, 40.540

Monochromacy



Original Color
90, 29.556, 81.692

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 10.328, 83.763

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 29.556, 81.692 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, 222, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 171)  
}
```

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, 222, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 29.556, 81.692 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, 222, 171) }
```

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

```
.border{ border-color:rgb(255, 222, 171) }
```

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

Here you see how a box with a 4 pixel rgb(255, 222, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 29.556, 81.692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 171) }
```

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

```
.background{ background-color: rgb(255,  
222, 171) }
```

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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