

Converting Colors

CIELCh(99, 55.867, 47.191)

Have a look what the booklet for
CIELCh(99, 55.867, 47.191) contains.

CIELCh(90, 28.158, 80.525)	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(90, 28.158, 80.525)

Conversions

Conversions Part 1

Format	Color
Hex	FFDEAE
RGB	255, 222, 174
RGB Percent	100%, 87%, 68%
CMY	0.0014, 0.1307, 0.3189
CMYK	0.00, 0.13, 0.32, 0.00
HSL	36°, 99%, 84%
HSV	36°, 32%, 100%
XYZ	74.7538, 76.3034, 50.6684
YIQ	226.3950, 35.0760, -7.9320

Conversions

Conversions Part 2

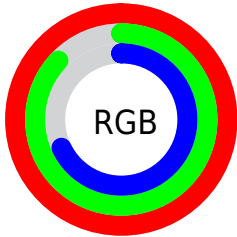
Format	Color
R _Y B	230, 255, 174
Decimal	16768686
CIE Lab	90.00, 4.64, 27.77
CIE LCh	90, 28.158, 80.525
Yxy	76.3034, 0.3706, 0.3783
Android (android.graphics.Color)	4294958766 (0xFFFFDEAE)
YUV	226.3950, -25.8307, 25.0866
Hunter-Lab	87.3518, -0.1091, 26.7551

Details

The CIELCh color **90, 28.158, 80.525** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **82, 27.052, 269.953**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 12.652, 109.221**, and **70, 28.232, 80.816** is the 20% darker color. If you saturate the color by 10%, you get **87, 37.568, 79.135**, and if you desaturate by 10%, it is **93, 18.999, 81.890**.

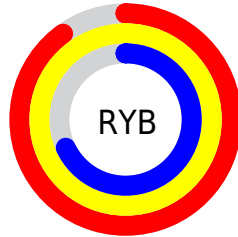
Distribution



Red (100%)

Green (87%)

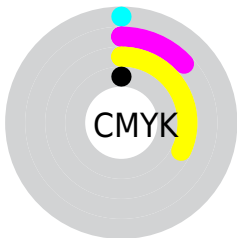
Blue (68%)



Red (90%)

Yellow (100%)

Blue (68%)

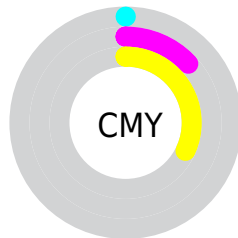


Cyan (0%)

Magenta (13%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 28.158, 80.525 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, 28.158, 80.525 by changing the saturation by 10% instead.

 90, 28.158, 80.525

 90, 28.158, 80.525

 100, 28.158,
80.525

 80, 28.158, 80.525

 70, 28.158, 80.525

 60, 28.158, 80.525

 50, 28.158, 80.525

 40, 28.158, 80.525

 30, 28.158, 80.525

 20, 28.158, 80.525

 10, 28.158, 80.525

 0, 28.158, 80.525

90, 28.158, 80.525

90, 28.158, 80.525

87, 37.568, 79.135

93, 18.999, 81.890

84, 47.146, 77.695

96, 10.116, 83.201

81, 56.707, 76.191

99, 1.509, 84.287

79, 65.877, 74.566

100, 0.120,
204.921

76, 73.969, 72.696

74, 79.953, 70.355

72, 82.944, 67.983

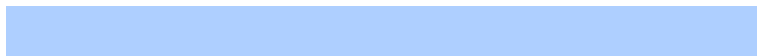
Harmonies

Complementary

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



90, 28.158, 80.525



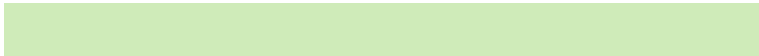
82, 27.052, 269.953

Rectangle

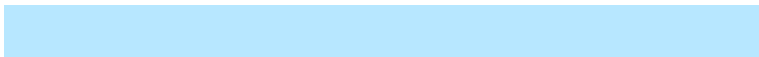
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 28.158, 80.525



90, 28.158, 130.525



90, 28.158, 260.525



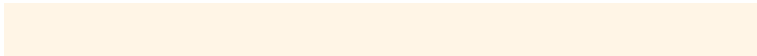
90, 28.158, 310.525

Sweetspot

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



90, 28.159, 80.531



97, 8.559, 83.429



80, 34.649, 351.723



51, 5.853, 83.251



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, 28.159, 80.531



88, 34.007, 79.669



98, 40.678, 110.760



52, 4.862, 83.491



55, 66.787, 68.631



18, 27.325, 71.139

Inverse Universe

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



82, 27.052, 269.953



79, 32.408, 271.317



74, 43.979, 296.884



50, 4.818, 266.076



36, 69.649, 292.001



10, 27.995, 286.220

Previews

White Background



This preview shows how the CIE LCh color 90, 28.158, 80.525 looks on a white background.

Color Contrast Check

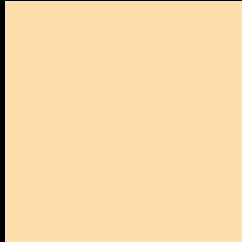
Large Text (above 18pt) WCAG AA × Fail

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, 28.158, 80.525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

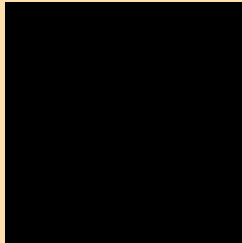
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 28.158, 80.525

Background



This preview shows how black text looks on a background with the CIELCh color 90, 28.158, 80.525.



This preview shows how white text looks on a background with the CIELCh color 90, 28.158, 80.525.

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, 28.158, 80.525

Protanopia

90, 26.542, 94.415

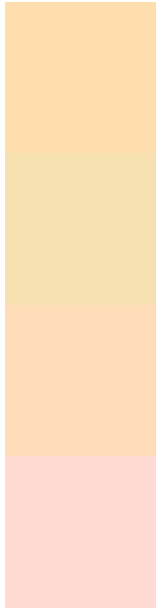
Deuteranopia

90, 19.913, 66.330



Tritanopia
90, 15.883, 353.466

Trichromacy



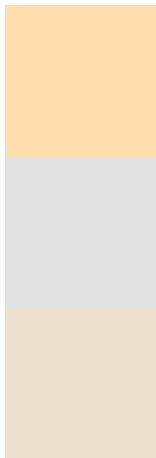
Original Color
90, 28.158, 80.525

Protanomaly
90, 26.915, 88.463

Deuteranomaly
90, 22.978, 73.454

Tritanomaly
90, 14.495, 36.816

Monochromacy



Original Color
90, 28.158, 80.525

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 9.859, 82.538

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 28.158, 80.525 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 28.158, 80.525 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, 174) }
```

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

```
.border{ border-color:rgb(255, 222, 174) }
```

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, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 28.158, 80.525 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, 174) }
```

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

```
.background{ background-color: rgb(255,  
222, 174) }
```

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