

Converting Colors

CIELCh(90, 15.763, 48.835)

Have a look what the booklet for
CIELCh(90, 15.763, 48.835) contains.

CIELCh(90, 15.737, 49.591)	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, 15.737, 49.591)

Conversions

Conversions Part 1

Format	Color
Hex	FFDBCC
RGB	255, 219, 204
RGB Percent	100%, 86%, 80%
CMY	0.0000, 0.1410, 0.1999
CMYK	0.00, 0.14, 0.20, 0.00
HSL	18°, 100%, 90%
HSV	18°, 20%, 100%
XYZ	77.4912, 76.3034, 67.7875
YIQ	228.0540, 26.2710, 2.9670

Conversions

Conversions Part 2

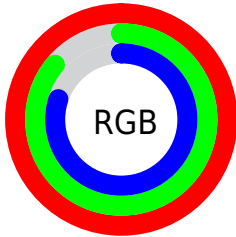
Format	Color
R _Y B	255, 225, 204
Decimal	16767948
CIE Lab	90.00, 10.20, 11.98
CIE LCh	90, 15.737, 49.591
Yxy	76.3034, 0.3497, 0.3444
Android (android.graphics.Color)	4294958028 (0xFFFFDBCC)
YUV	228.0540, -11.8586, 23.6316
Hunter-Lab	87.3518, 5.4845, 15.1355

Details

The CIELCh color `90, 15.737, 49.591` is a light color, and the websafe version is hex `FFCCCC`. A complement of this color would be `93, 13.983, 232.594`, and the grayscale version is `91, 0.011, 296.813`.

A 20% lighter version of the original color is `100, 0.012, 296.813`, and `70, 15.783, 49.122` is the 20% darker color. If you saturate the color by 10%, you get `85, 24.545, 49.144`, and if you desaturate by 10%, it is `95, 7.560, 50.152`.

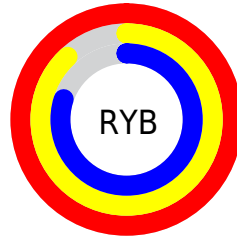
Distribution



Red (100%)

Green (86%)

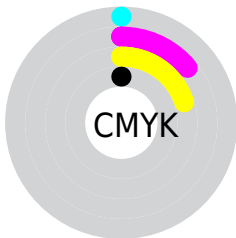
Blue (80%)



Red (100%)

Yellow (88%)

Blue (80%)

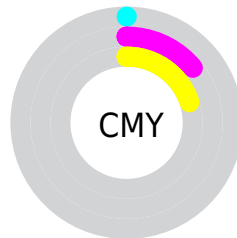


Cyan (0%)

Magenta (14%)

Yellow (20%)

Black (0%)



Cyan (0%)

Magenta (14%)

Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 15.737, 49.591 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, 15.737, 49.591 by changing the saturation by 10% instead.

 90, 15.737, 49.591

 90, 15.737, 49.591

 100, 15.737,
49.591

 80, 15.737, 49.591

 70, 15.737, 49.591

 60, 15.737, 49.591

 50, 15.737, 49.591

 40, 15.737, 49.591

 30, 15.737, 49.591

 20, 15.737, 49.591

 10, 15.737, 49.591

 0, 15.737, 49.591

90, 15.737, 49.591

90, 15.737, 49.591

85, 24.545, 49.144

95, 7.560, 50.152

80, 34.057, 48.764

100, 0.012,
296.813

76, 44.275, 48.506

72, 55.139, 48.376

68, 66.457, 48.340

64, 77.743, 48.263

61, 87.914, 47.791

58, 95.522, 46.521

58, 95.530, 46.520

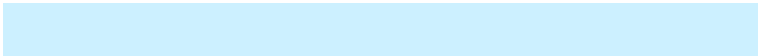
Harmonies

Complementary

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



90, 15.737, 49.591



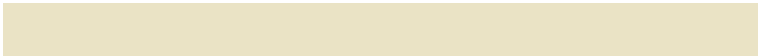
93, 13.983, 232.594

Rectangle

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



90, 15.737, 49.591



90, 15.737, 99.591



90, 15.737, 229.591



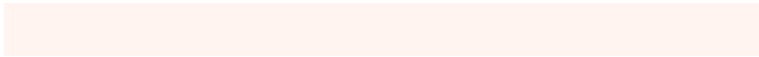
90, 15.737, 279.591

Sweetspot

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



90, 15.727, 49.621



97, 4.472, 50.342



87, 26.275, 335.002



51, 2.974, 50.315



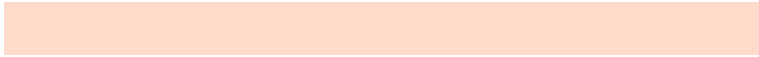
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 15.727, 49.621



88, 19.183, 49.420



96, 20.751, 97.018



51, 4.295, 50.177



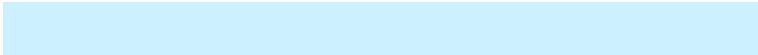
44, 76.450, 47.080



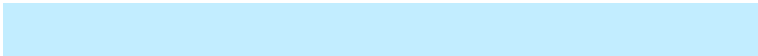
13, 28.631, 43.398

Inverse Universe

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



93, 13.983, 232.594



91, 16.610, 233.040



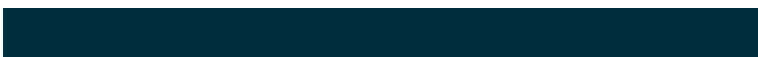
86, 21.160, 282.056



51, 4.077, 231.648



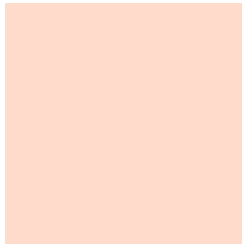
53, 39.139, 255.192



17, 17.143, 248.219

Previews

White Background



This preview shows how the CIE LCh color 90, 15.737, 49.591 looks on a white background.

Color Contrast Check

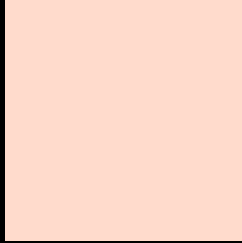
Large Text (above 18pt) WCAG AA × Fail

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, 15.737, 49.591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

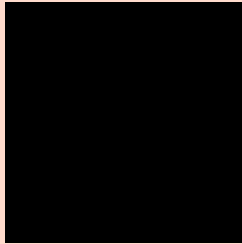
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 15.737, 49.591

Background



This preview shows how black text looks on a background with the CIELCh color 90, 15.737, 49.591.

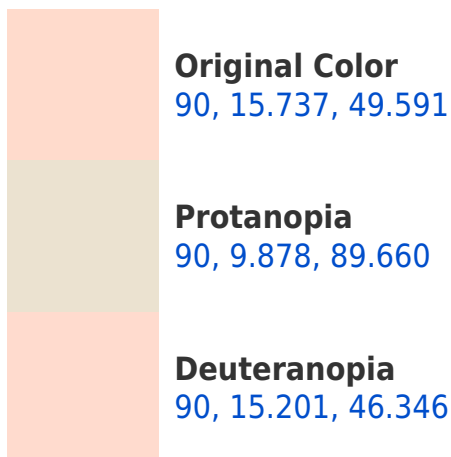


This preview shows how white text looks on a background with the CIELCh color 90, 15.737, 49.591.

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





Tritanopia
90, 16.109, 351.809

Trichromacy



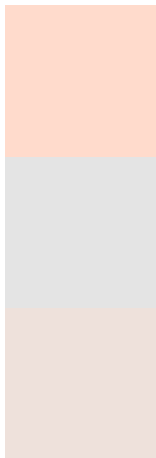
Original Color
90, 15.737, 49.591

Protanomaly
90, 10.909, 68.915

Deuteranomaly
90, 15.463, 47.998

Tritanomaly
90, 14.123, 12.018

Monochromacy



Original Color
90, 15.737, 49.591

Achromatopsia
91, 0.011, 296.813

Achromatomaly
90, 5.653, 52.841

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 15.737, 49.591 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, 219, 204)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 204)  
}
```

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, 219, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 15.737, 49.591 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, 219, 204) }
```

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

```
.border{ border-color:rgb(255, 219, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 219, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 204);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 15.737, 49.591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 204) }
```

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

```
.background{ background-color: rgb(255,  
219, 204) }
```

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