

Converting Colors

CIELCh(90, 28.875, 82.674)

Have a look what the booklet for
CIELCh(90, 28.875, 82.674) contains.

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Color

CIELCh(90, 28.720, 82.730)

Conversions

Conversions Part 1

Format	Color
Hex	FDDEAC
RGB	253, 222, 172
RGB Percent	99%, 87%, 67%
CMY	0.0068, 0.1284, 0.3245
CMYK	0.00, 0.12, 0.32, 0.01
HSL	37°, 96%, 83%
HSV	37°, 32%, 99%
XYZ	74.2685, 76.3034, 49.9701
YIQ	225.5690, 34.5260, -8.9780

Conversions

Conversions Part 2

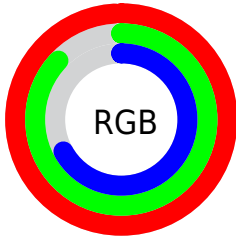
Format	Color
R _Y B	222, 253, 172
Decimal	16637612
CIE Lab	90.00, 3.63, 28.49
CIE LCh	90, 28.720, 82.730
Yxy	76.3034, 0.3703, 0.3805
Android (android.graphics.Color)	4294827692 (0xFFFDDEAC)
YUV	225.5690, -26.4095, 24.0570
Hunter-Lab	87.3518, -1.1008, 27.2291

Details

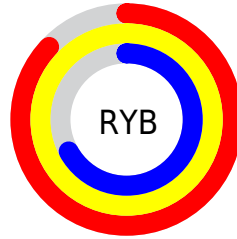
The CIELCh color **90, 28.720, 82.730** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **81, 27.913, 272.180**, and the grayscale version is **90, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 13.663, 109.145**, and **70, 28.824, 83.101** is the 20% darker color. If you saturate the color by 10%, you get **87, 38.176, 81.334**, and if you desaturate by 10%, it is **93, 19.471, 84.097**.

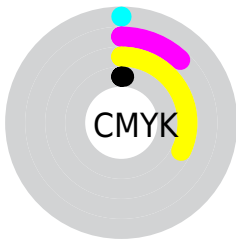
Distribution



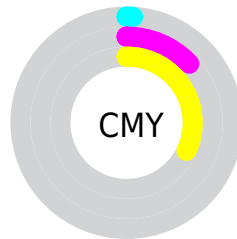
- Red (99%)
- Green (87%)
- Blue (67%)



- Red (87%)
- Yellow (99%)
- Blue (67%)



- Cyan (0%)
- Magenta (12%)
- Yellow (32%)
- Black (1%)



- Cyan (1%)
- Magenta (13%)
- Yellow (32%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 28.720, 82.730 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, 28.720, 82.730 by changing the saturation by 10% instead.

 90, 28.720, 82.730

 90, 28.720, 82.730

 100, 28.720,
82.730

 80, 28.720, 82.730

 70, 28.720, 82.730

 60, 28.720, 82.730

 50, 28.720, 82.730

 40, 28.720, 82.730

 30, 28.720, 82.730

 20, 28.720, 82.730

 10, 28.720, 82.730

 0, 28.720, 82.730

90, 28.720, 82.730

90, 28.720, 82.730

87, 38.176, 81.334

93, 19.471, 84.097

84, 47.743, 79.886

96, 10.464, 85.410

82, 57.220, 78.373

99, 1.703, 86.531

79, 66.212, 76.739

100, 0.600,
200.471

77, 74.019, 74.871

75, 79.631, 72.561

73, 82.269, 70.308

Harmonies

Complementary

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



90, 28.720, 82.730



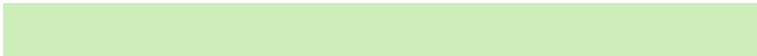
81, 27.913, 272.180

Rectangle

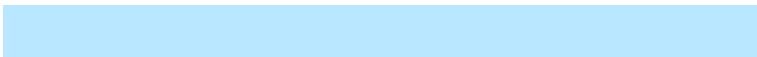
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 28.720, 82.730



90, 28.720, 132.730



90, 28.720, 262.730



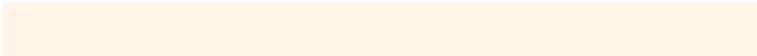
90, 28.720, 312.730

Sweetspot

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



90, 28.721, 82.736



97, 8.750, 85.662



79, 34.141, 353.903



51, 5.982, 85.484



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, 28.721, 82.736



89, 34.574, 81.896



97, 40.826, 112.201



52, 4.971, 85.724



56, 66.556, 70.916



18, 27.532, 73.576

Inverse Universe

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



81, 27.913, 272.180



78, 33.429, 273.493



74, 44.114, 297.991



50, 4.941, 268.293



35, 72.757, 293.694



9, 29.202, 288.126

Previews

White Background



This preview shows how the CIE LCh color 90, 28.720, 82.730 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, 28.720, 82.730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

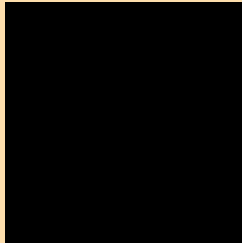
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 28.720, 82.730

Background



This preview shows how black text looks on a background with the CIELCh color 90, 28.720, 82.730.



This preview shows how white text looks on a background with the CIELCh color 90, 28.720, 82.730.

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, 28.720, 82.730

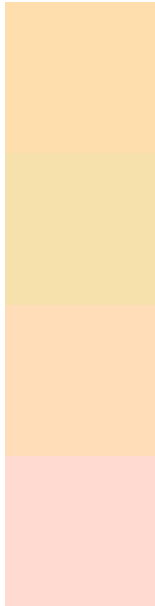
Protanopia
90, 27.540, 94.796

Deuteranopia
90, 20.312, 67.239



Tritanopia
90, 15.883, 353.466

Trichromacy



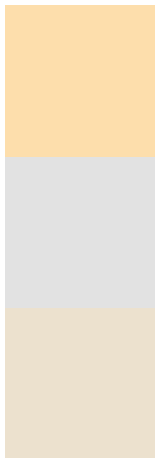
Original Color
90, 28.720, 82.730

Protanomaly
90, 28.101, 90.853

Deuteranomaly
90, 23.185, 74.898

Tritanomaly
90, 14.314, 39.168

Monochromacy



Original Color
90, 28.720, 82.730

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 10.642, 86.724

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 28.720, 82.730 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(253, 222, 172)` looks like.

```
.text, #text, p{  
  color:rgb(253, 222, 172)  
}
```

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(253, 222, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 222, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 28.720, 82.730 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(253, 222, 172) }
```

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

```
.border{ border-color:rgb(253, 222, 172) }
```

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

Here you see how a box with a 4 pixel rgb(253, 222, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 222, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 222, 172);  
box-shadow:4px 4px 4px 4px rgb(253, 222,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 28.720, 82.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 222, 172) }
```

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

```
.background{ background-color: rgb(253,  
222, 172) }
```

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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