

Converting Colors

CIELCh(93, 37.018, 57.238)

Have a look what the booklet for
CIELCh(93, 37.018, 57.238) contains.

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Color

CIELCh(90, 26.783, 77.255)

Conversions

Conversions Part 1

Format	Color
Hex	FFDDB1
RGB	255, 221, 177
RGB Percent	100%, 87%, 69%
CMY	0.0000, 0.1335, 0.3062
CMYK	0.00, 0.13, 0.31, 0.00
HSL	34°, 100%, 85%
HSV	34°, 31%, 100%
XYZ	75.3743, 76.3034, 52.3047
YIQ	226.1500, 34.3880, -6.4760

Conversions

Conversions Part 2

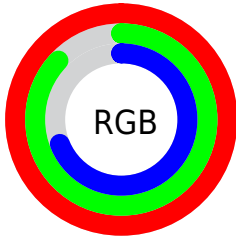
Format	Color
R _Y B	237, 255, 177
Decimal	16768433
CIE Lab	90.00, 5.91, 26.12
CIE LCh	90, 26.783, 77.255
Yxy	76.3034, 0.3695, 0.3741
Android (android.graphics.Color)	4294958513 (0xFFFFDDB1)
YUV	226.1500, -24.2309, 25.3015
Hunter-Lab	87.3518, 1.1588, 25.6445

Details

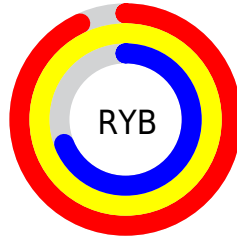
The CIELCh color $90, 26.783, 77.255$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $84, 25.216, 266.994$, and the grayscale version is $90, 0.011, 296.813$.

A 20% lighter version of the original color is $99, 11.136, 109.335$, and $70, 26.538, 78.260$ is the 20% darker color. If you saturate the color by 10%, you get $87, 35.881, 76.608$, and if you desaturate by 10%, it is $93, 17.570, 79.322$.

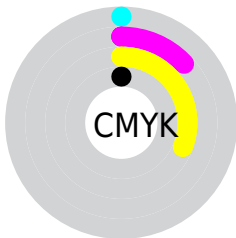
Distribution



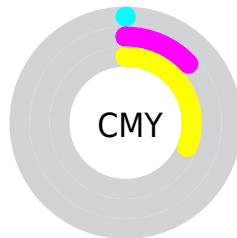
- Red (100%)
- Green (87%)
- Blue (69%)



- Red (93%)
- Yellow (100%)
- Blue (69%)



- Cyan (0%)
- Magenta (13%)
- Yellow (31%)
- Black (0%)



- Cyan (0%)
- Magenta (13%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 26.783, 77.255 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, 26.783, 77.255 by changing the saturation by 10% instead.

 90, 26.783, 77.255

 90, 26.783, 77.255

 100, 26.783,
77.255

 80, 26.783, 77.255

 70, 26.783, 77.255

 60, 26.783, 77.255

 50, 26.783, 77.255

 40, 26.783, 77.255

 30, 26.783, 77.255

 20, 26.783, 77.255

 10, 26.783, 77.255

 0, 26.783, 77.255

90, 26.783, 77.255

90, 26.783, 77.255

87, 35.881, 76.608

93, 17.570, 79.322

84, 45.432, 75.198

96, 8.883, 80.616

81, 55.073, 73.731

100, 0.502, 81.177

78, 64.477, 72.154

100, 0.012,
296.813

75, 73.018, 70.344

73, 79.683, 68.065

70, 83.617, 65.337

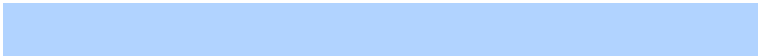
Harmonies

Complementary

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



90, 26.783, 77.255



84, 25.216, 266.994

Rectangle

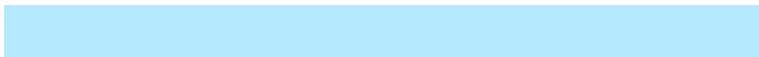
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90, 26.783, 77.255



90, 26.783, 127.255



90, 26.783, 257.255



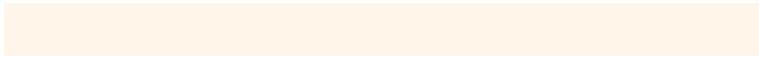
90, 26.783, 307.255

Sweetspot

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



90, 26.573, 77.982



97, 7.503, 80.818



80, 33.986, 349.502



51, 5.228, 80.637



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, 26.573, 77.982



88, 32.477, 77.109



98, 39.195, 109.397



51, 4.745, 80.756



54, 67.210, 66.015



17, 27.149, 68.261

Inverse Universe

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



84, 25.216, 266.994



80, 30.457, 268.382



75, 42.262, 295.638



50, 4.683, 263.346



38, 66.052, 289.836



10, 26.620, 283.809

Previews

White Background



This preview shows how the CIE LCh color 90, 26.783, 77.255 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, 26.783, 77.255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

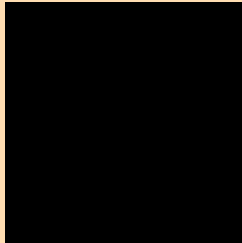
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 26.783, 77.255

Background



This preview shows how black text looks on a background with the CIELCh color 90, 26.783, 77.255.




This preview shows how white text looks on a background with the CIELCh color 90, 26.783, 77.255.

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](#).

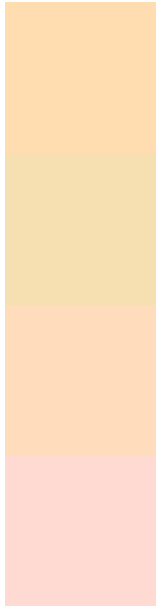
Dichromacy





Tritanopia
90, 15.883, 353.466

Trichromacy



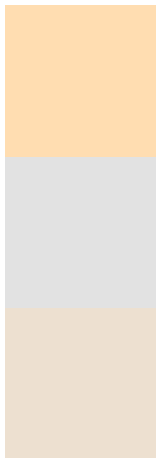
Original Color
90, 26.545, 77.999

Protanomaly
90, 25.315, 88.340

Deuteranomaly
90, 21.959, 70.523

Tritanomaly
90, 14.329, 34.882

Monochromacy



Original Color
90, 26.545, 77.999

Achromatopsia
90, 0.011, 296.813

Achromatomaly
90, 9.579, 79.213

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 26.783, 77.255 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, 221, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 177)  
}
```

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, 221, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 26.783, 77.255 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, 221, 177) }
```

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

```
.border{ border-color:rgb(255, 221, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 26.783, 77.255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 177) }
```

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

```
.background{ background-color: rgb(255,  
221, 177) }
```

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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