

Converting Colors

CIELCh(80, 30.494, 31.758)

Have a look what the booklet for
CIELCh(80, 30.494, 31.758) contains.

CIELCh(80, 30.550, 31.641)	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(80, 30.550, 31.641)

Conversions

Conversions Part 1

Format	Color
Hex	FFB4AA
RGB	255, 180, 170
RGB Percent	100%, 71%, 67%
CMY	0.0008, 0.2948, 0.3341
CMYK	0.00, 0.29, 0.33, 0.00
HSL	7°, 100%, 83%
HSV	7°, 33%, 100%
XYZ	64.6844, 56.6813, 45.4689
YIQ	201.2850, 47.9100, 12.7900

Conversions

Conversions Part 2

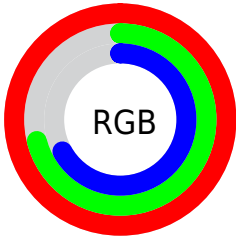
Format	Color
R _Y B	255, 181, 170
Decimal	16757930
CIE Lab	80.00, 26.01, 16.03
CIE LCh	80, 30.550, 31.641
Yxy	56.6813, 0.3877, 0.3397
Android (android.graphics.Color)	4294948010 (0xFFFFB4AA)
YUV	201.2850, -15.4235, 47.1081
Hunter-Lab	75.2870, 21.6099, 16.8933

Details

The CIELCh color **80, 30.550, 31.641** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **92, 23.934, 210.568**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 8.939, 58.684**, and **60, 30.221, 31.912** is the 20% darker color. If you saturate the color by 10%, you get **74, 41.344, 32.492**, and if you desaturate by 10%, it is **86, 20.513, 31.053**.

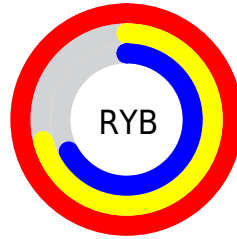
Distribution



Red (100%)

Green (71%)

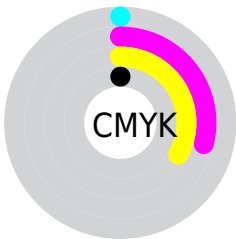
Blue (67%)



Red (100%)

Yellow (71%)

Blue (67%)

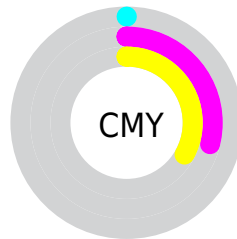


Cyan (0%)

Magenta (29%)

Yellow (33%)

Black (0%)



Cyan (0%)

Magenta (29%)

Yellow (33%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 30.550, 31.641 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 80, 30.550, 31.641 by changing the saturation by 10% instead.

 80, 30.550, 31.641

 80, 30.550, 31.641

 100, 30.550,
31.641

 70, 30.550, 31.641

 60, 30.550, 31.641

 50, 30.550, 31.641

 40, 30.550, 31.641

 30, 30.550, 31.641

 20, 30.550, 31.641

 10, 30.550, 31.641

 0, 30.550, 31.641

 80, 30.550, 31.641

 80, 30.550, 31.641

74, 41.344, 32.492

86, 20.513, 31.053

69, 52.829, 33.653

92, 11.245, 30.642

65, 64.829, 35.180

98, 2.707, 30.222

61, 76.997, 37.057

100, 0.072,
208.675

58, 88.635, 39.086

55, 98.197, 40.644

54, 102.563,
41.182

Harmonies

Complementary

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



80, 30.550, 31.641



92, 23.934, 210.568

Rectangle

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



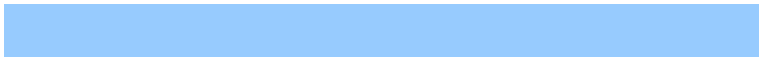
80, 30.550, 31.641



80, 30.550, 81.641



80, 30.550, 211.641



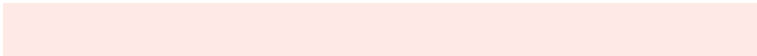
80, 30.550, 261.641

Sweetspot

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



80, 30.548, 31.646



94, 8.310, 30.528



80, 49.077, 329.777



49, 5.703, 30.575



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 30.548, 31.646



76, 37.668, 32.176



90, 30.131, 82.489



50, 4.715, 30.511



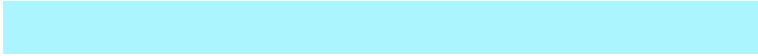
41, 82.327, 41.446



11, 31.201, 32.947

Inverse Universe

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



92, 23.934, 210.568



91, 27.867, 210.780



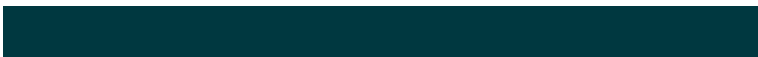
81, 29.238, 272.413



52, 4.431, 210.411



63, 35.525, 217.867



21, 16.492, 214.958

Previews

White Background



This preview shows how the CIELCh color 80, 30.550, 31.641 looks on a white background.

Color Contrast Check

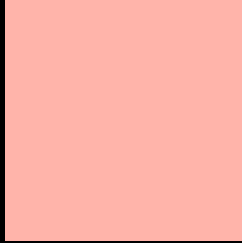
Large Text (above 18pt) WCAG AA × Fail

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 80, 30.550, 31.641 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 80, 30.550, 31.641

Background



This preview shows how black text looks on a background with the CIELCh color 80, 30.550, 31.641.

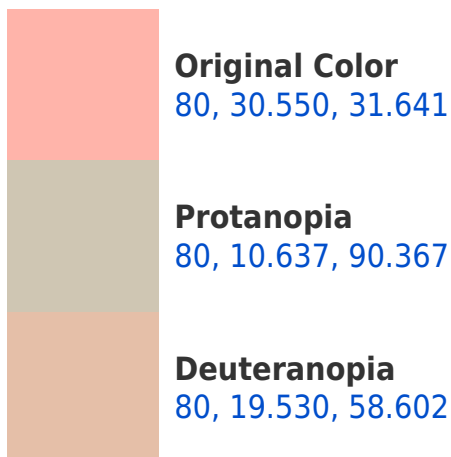


This preview shows how white text looks on a background with the CIELCh color 80, 30.550, 31.641.

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](#).

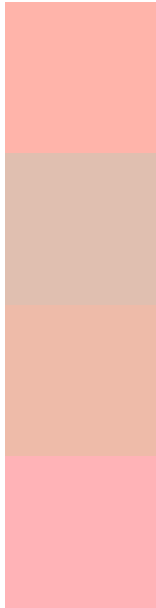
Dichromacy





Tritanopia
80, 30.162, 9.029

Trichromacy



Original Color
80, 30.550, 31.641

Protanomaly
80, 15.196, 51.627

Deuteranomaly
80, 22.596, 45.555

Tritanomaly
80, 29.619, 17.903

Monochromacy



Original Color
80, 30.550, 31.641

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 10.735, 28.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 30.550, 31.641 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, 180, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 180, 170)  
}
```

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, 180, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 180, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 30.550, 31.641 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, 180, 170) }
```

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

```
.border{ border-color:rgb(255, 180, 170) }
```

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

Here you see how a box with a 4 pixel rgb(255, 180, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 180, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 180, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 180,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 30.550, 31.641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 180, 170) }
```

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

```
.background{ background-color: rgb(255,  
180, 170) }
```

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