

Converting Colors

CIELCh(81, 47.904, 70.189)

Have a look what the booklet for
CIELCh(81, 47.904, 70.189) contains.

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Color

CIELCh(81, 47.990, 69.962)

Conversions

Conversions Part 1

Format	Color
Hex	FFBC75
RGB	255, 188, 117
RGB Percent	100%, 74%, 46%
CMY	0.0003, 0.2630, 0.5414
CMYK	0.00, 0.26, 0.54, 0.00
HSL	31°, 100%, 73%
HSV	31°, 54%, 100%
XYZ	62.3934, 58.4711, 24.8096
YIQ	199.9390, 62.7230, -7.8770

Conversions

Conversions Part 2

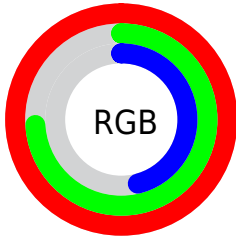
Format	Color
R _Y B	247, 255, 117
Decimal	16759925
CIE Lab	81.00, 16.44, 45.08
CIE LCh	81, 47.990, 69.962
Yxy	58.4711, 0.4283, 0.4014
Android (android.graphics.Color)	4294950005 (0xFFFFBC75)
YUV	199.9390, -40.8889, 48.2885
Hunter-Lab	76.4664, 11.8323, 34.2898

Details

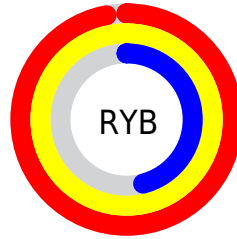
The CIELCh color **81, 47.990, 69.962** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **73, 41.568, 267.896**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 37.688, 100.642**, and **61, 48.175, 70.340** is the 20% darker color. If you saturate the color by 10%, you get **78, 57.785, 68.574**, and if you desaturate by 10%, it is **84, 38.337, 71.303**.

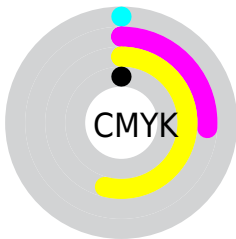
Distribution



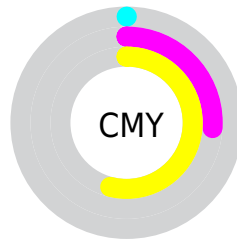
- Red (100%)
- Green (74%)
- Blue (46%)



- Red (97%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (26%)
- Yellow (54%)
- Black (0%)



- Cyan (0%)
- Magenta (26%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 47.990, 69.962 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 81, 47.990, 69.962 by changing the saturation by 10% instead.

 81, 47.990, 69.962

 81, 47.990, 69.962

 100, 47.990,
69.962

 71, 47.990, 69.962

 61, 47.990, 69.962

 51, 47.990, 69.962

 41, 47.990, 69.962

 31, 47.990, 69.962

 21, 47.990, 69.962

 11, 47.990, 69.962

 1, 47.990, 69.962

 0, 47.990, 69.962

81, 47.990, 69.962

81, 47.990, 69.962

78, 57.785, 68.574

84, 38.337, 71.303

75, 67.343, 67.048

88, 29.000, 72.616

72, 75.923, 65.212

91, 20.042, 73.909

69, 82.365, 62.748

95, 11.472, 75.175

68, 85.055, 61.000

98, 3.273, 76.339

100, 0.025,
227.221

Harmonies

Complementary

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



81, 47.990, 69.962



73, 41.568, 267.896

Rectangle

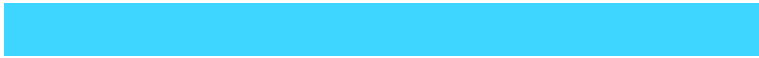
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81, 47.990, 69.962



81, 47.990, 119.962



81, 47.990, 249.962



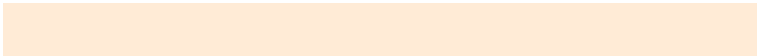
81, 47.990, 299.962

Sweetspot

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



81, 47.990, 69.966



94, 13.051, 74.941



68, 60.632, 349.762



49, 8.852, 74.682



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 47.990, 69.966



78, 58.649, 68.448



98, 67.028, 105.049



51, 4.570, 75.741



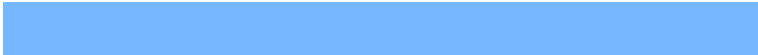
52, 68.295, 61.706



16, 27.011, 63.285

Inverse Universe

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



73, 41.568, 267.896



68, 49.574, 271.534



56, 78.450, 298.464



50, 4.478, 258.298



41, 60.028, 285.582



12, 24.365, 279.144

Previews

White Background



This preview shows how the CIELCh color 81, 47.990, 69.962 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 81, 47.990, 69.962 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 81, 47.990, 69.962

Background



This preview shows how black text looks on a background with the CIELCh color 81, 47.990, 69.962.



This preview shows how white text looks on a background with the CIELCh color 81, 47.990, 69.962.

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
81, 28.417, 10.186

Trichromacy



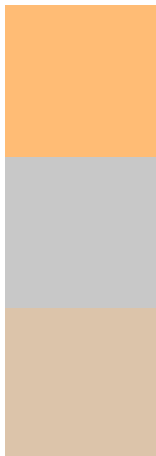
Original Color
81, 47.990, 69.962

Protanomaly
81, 43.280, 85.879

Deuteranomaly
81, 47.199, 74.799

Tritanomaly
81, 30.611, 40.404

Monochromacy



Original Color
81, 47.990, 69.962

Achromatopsia
81, 0.010, 296.813

Achromatomaly
81, 16.745, 74.675

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 47.990, 69.962 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, 188, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 188, 117)  
}
```

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, 188, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 188, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 47.990, 69.962 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, 188, 117) }
```

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

```
.border{ border-color:rgb(255, 188, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 188, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 188, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 188, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 188,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 47.990, 69.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 188, 117) }
```

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

```
.background{ background-color: rgb(255,  
188, 117) }
```

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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