

# Converting Colors

CIELCh(79, 42.718, 68.458)

Have a look what the booklet for  
CIELCh(79, 42.718, 68.458) contains.

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# Color

**CIELCh(79, 42.825, 68.245)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6B77A
RGB	246, 183, 122
RGB Percent	96%, 72%, 48%
CMY	0.0349, 0.2819, 0.5212
CMYK	0.00, 0.26, 0.50, 0.03
HSL	30°, 87%, 72%
HSV	30°, 50%, 97%
XYZ	58.5173, 54.9284, 25.9613
YIQ	194.8830, 57.1290, -5.6150

# Conversions

## Conversions Part 2

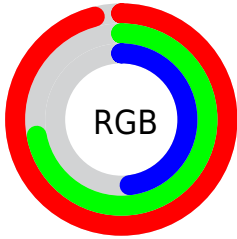
Format	Color
R <sub>Y</sub> B	246, 242, 122
Decimal	16168826
CIE Lab	79.00, 15.87, 39.77
CIE LCh	79, 42.825, 68.245
Yxy	54.9284, 0.4198, 0.3940
Android (android.graphics.Color)	4294358906 (0xFFFF6B77A)
YUV	194.8830, -35.9313, 44.8296
Hunter-Lab	74.1137, 11.2377, 31.1109

# Details

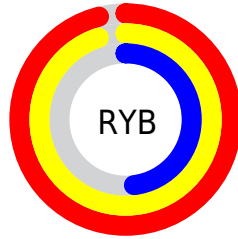
The CIELCh color  $79, 42.825, 68.245$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $73, 36.643, 264.248$ , and the grayscale version is  $79, 0.010, 296.813$ .

A 20% lighter version of the original color is  $94, 33.192, 96.692$ , and  $59, 42.773, 68.134$  is the 20% darker color. If you saturate the color by 10%, you get  $76, 52.397, 66.955$ , and if you desaturate by 10%, it is  $82, 33.528, 69.516$ .

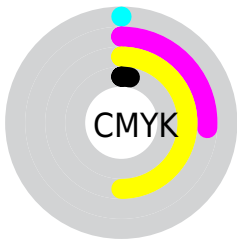
# Distribution



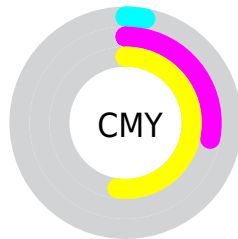
- Red (96%)
- Green (72%)
- Blue (48%)



- Red (96%)
- Yellow (95%)
- Blue (48%)



- Cyan (0%)
- Magenta (26%)
- Yellow (50%)
- Black (3%)



- Cyan (3%)
- Magenta (28%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 42.825, 68.245 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 79, 42.825, 68.245 by changing the saturation by 10% instead.



 79, 42.825, 68.245

 79, 42.825, 68.245

 100, 42.825,  
68.245

 69, 42.825, 68.245

 99, 42.825, 68.245

 59, 42.825, 68.245

 49, 42.825, 68.245

 39, 42.825, 68.245

 29, 42.825, 68.245

 19, 42.825, 68.245

 9, 42.825, 68.245

 0, 42.825, 68.245

 79, 42.825, 68.245

 79, 42.825, 68.245

76, 52.397, 66.955

82, 33.528, 69.516

73, 61.983, 65.575

86, 24.614, 70.771

70, 71.033, 63.975

89, 16.111, 72.013

67, 78.558, 61.882

93, 8.011, 73.225

64, 83.590, 59.204

97, 0.285, 72.964

99, 3.077, 199.425

# Harmonies

# Complementary

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



79, 42.825, 68.245



73, 36.643, 264.248

# Rectangle

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



79, 42.825, 68.245



79, 42.825, 118.245



79, 42.825, 248.245



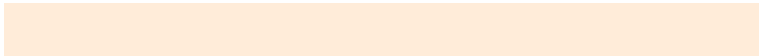
79, 42.825, 298.245

# Sweetspot

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



79, 42.825, 68.250



94, 12.039, 72.670



67, 55.743, 348.125



50, 8.256, 72.412



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



79, 42.825, 68.250



78, 53.551, 66.991



94, 60.243, 104.609



49, 4.354, 73.331



50, 67.524, 59.914



14, 24.636, 60.620





# Inverse Universe

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



73, 36.643, 264.248



71, 44.465, 267.297



57, 69.166, 297.062



49, 4.252, 255.840



41, 56.127, 283.295



11, 21.854, 275.935



# Previews

## White Background



This preview shows how the CIELCh color 79, 42.825, 68.245 looks on a white background.

## Color Contrast Check

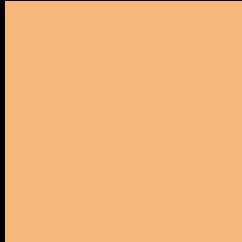
Large Text (above 18pt) WCAG AA × Fail

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 79, 42.825, 68.245 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

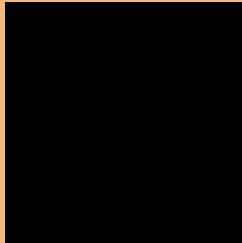
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 79, 42.825, 68.245

## Background



This preview shows how black text looks on a background with the CIELCh color 79, 42.825, 68.245.



This preview shows how white text looks on a background with the CIELCh color 79, 42.825, 68.245.

# 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**  
79, 30.254, 9.080



# Trichromacy



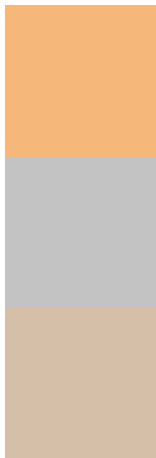
**Original Color**  
79, 42.825, 68.245

**Protanomaly**  
79, 37.885, 84.705

**Deuteranomaly**  
79, 41.964, 73.679

**Tritanomaly**  
79, 30.146, 35.761

# Monochromacy



**Original Color**  
79, 42.825, 68.245

**Achromatopsia**  
79, 0.010, 296.813

**Achromatomaly**  
79, 15.264, 72.750

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 42.825, 68.245 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(246, 183, 122)` looks like.

```
.text, #text, p{  
    color:rgb(246, 183, 122)  
}
```

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(246, 183, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 183, 122) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 42.825, 68.245 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(246, 183, 122) }
```

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

```
.border{ border-color:rgb(246, 183, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 183, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 183, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 183, 122); box-shadow:4px 4px 4px 4px rgb(246, 183, 122) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 42.825, 68.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 183, 122) }
```

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

```
.background{ background-color: rgb(246,  
183, 122) }
```

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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