

Converting Colors

CIELCh(77, 47.372, 65.615)

Have a look what the booklet for
CIELCh(77, 47.372, 65.615) contains.

CIELCh(77, 47.251, 65.546)	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(77, 47.251, 65.546)

Conversions

Conversions Part 1

Format	Color
Hex	F7AF6F
RGB	247, 175, 111
RGB Percent	97%, 69%, 44%
CMY	0.0317, 0.3140, 0.5650
CMYK	0.00, 0.29, 0.55, 0.03
HSL	28°, 89%, 70%
HSV	28°, 55%, 97%
XYZ	56.5048, 51.5317, 21.9849
YIQ	189.2320, 63.4560, -4.6400

Conversions

Conversions Part 2

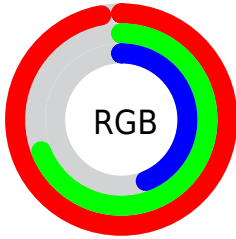
Format	Color
R_{YB}	247, 232, 111
Decimal	16232303
CIE _{Lab}	77.00, 19.56, 43.01
CIE _{LCh}	77, 47.251, 65.546
Yxy	51.5317, 0.4346, 0.3963
Android (android.graphics.Color)	4294422383 (0xFF7AF6F)
YUV	189.2320, -38.5684, 50.6625
Hunter-Lab	71.7856, 14.8783, 32.0919

Details

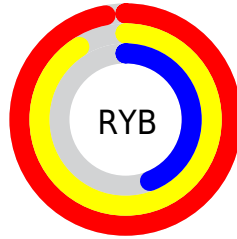
The CIELCh color **77, 47.251, 65.546** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **72, 38.882, 263.177**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 35.650, 91.816**, and **57, 47.208, 65.426** is the 20% darker color. If you saturate the color by 10%, you get **74, 57.010, 64.309**, and if you desaturate by 10%, it is **80, 37.726, 66.755**.

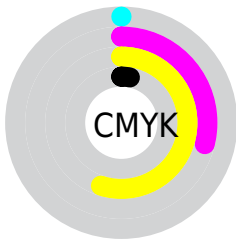
Distribution



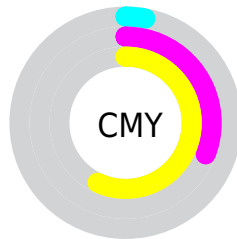
- Red (97%)
- Green (69%)
- Blue (44%)



- Red (97%)
- Yellow (91%)
- Blue (44%)



- Cyan (0%)
- Magenta (29%)
- Yellow (55%)
- Black (3%)



- Cyan (3%)
- Magenta (31%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 47.251, 65.546 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 77, 47.251, 65.546 by changing the saturation by 10% instead.

77, 47.251, 65.546

77, 47.251, 65.546

100, 47.251,
65.546

67, 47.251, 65.546

97, 47.251, 65.546

57, 47.251, 65.546

47, 47.251, 65.546

37, 47.251, 65.546

27, 47.251, 65.546

17, 47.251, 65.546

7, 47.251, 65.546

0, 47.251, 65.546

77, 47.251, 65.546

77, 47.251, 65.546

74, 57.010, 64.309

80, 37.726, 66.755

71, 66.641, 62.942

84, 28.593, 67.954

68, 75.404, 61.253

88, 19.902, 69.153

65, 82.099, 58.877

91, 11.653, 70.341

64, 84.641, 57.500

95, 3.820, 71.455

99, 2.373, 220.347

99, 2.802, 199.464

Harmonies

Complementary

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



77, 47.251, 65.546



72, 38.882, 263.177

Rectangle

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



77, 47.251, 65.546



77, 47.251, 115.546



77, 47.251, 245.546



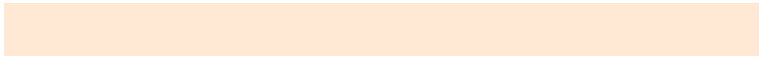
77, 47.251, 295.546

Sweetspot

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



77, 47.250, 65.550



93, 13.559, 70.111



65, 61.027, 347.828



49, 9.117, 69.873



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 47.250, 65.550



76, 59.460, 64.175



94, 64.509, 103.392



49, 4.299, 70.987



49, 68.169, 58.217



14, 24.671, 58.437

Inverse Universe

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



72, 38.882, 263.177



70, 47.121, 266.954



55, 75.103, 297.482



49, 4.185, 253.446



42, 53.753, 281.060



11, 21.045, 273.525

Previews

White Background



This preview shows how the CIELCh color 77, 47.251, 65.546 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 77, 47.251, 65.546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

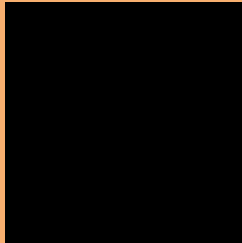
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 47.251, 65.546

Background



This preview shows how black text looks on a background with the CIELCh color 77, 47.251, 65.546.



This preview shows how white text looks on a background with the CIELCh color 77, 47.251, 65.546.

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
77, 33.553, 11.680

Trichromacy



Original Color
77, 47.251, 65.546

Protanomaly
77, 40.574, 83.690

Deuteranomaly
77, 45.132, 72.844

Tritanomaly
77, 34.129, 36.310

Monochromacy



Original Color
77, 47.251, 65.546

Achromatopsia
77, 0.009, 296.813

Achromatomaly
76, 16.146, 69.251

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 47.251, 65.546 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(247, 175, 111)` looks like.

```
.text, #text, p{  
    color:rgb(247, 175, 111)  
}
```

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(247, 175, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 175, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 47.251, 65.546 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(247, 175, 111) }
```

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

```
.border{ border-color:rgb(247, 175, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 175, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 175, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 175, 111);  
box-shadow:4px 4px 4px 4px rgb(247, 175,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 47.251, 65.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 175, 111) }
```

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

```
.background{ background-color: rgb(247,  
175, 111) }
```

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