

Converting Colors

CIELCh(70, 51.054, 47.931)

Have a look what the booklet for
CIELCh(70, 51.054, 47.931) contains.

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Color

CIELCh(70, 51.214, 47.890)

Conversions

Conversions Part 1

Format	Color
Hex	F69168
RGB	246, 145, 104
RGB Percent	96%, 57%, 41%
CMY	0.0361, 0.4320, 0.5928
CMYK	0.00, 0.41, 0.58, 0.04
HSL	17°, 89%, 69%
HSV	17°, 58%, 96%
XYZ	50.5237, 40.7494, 18.2552
YIQ	170.5250, 73.3570, 8.6610

Conversions

Conversions Part 2

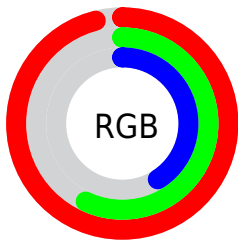
Format	Color
R _Y B	246, 162, 104
Decimal	16159080
CIE Lab	70.00, 34.34, 37.99
CIE LCh	70, 51.214, 47.890
Yxy	40.7494, 0.4613, 0.3720
Android (android.graphics.Color)	4294349160 (0xFFFF69168)
YUV	170.5250, -32.7968, 66.1916
Hunter-Lab	63.8353, 29.5656, 27.7293

Details

The CIELCh color **70, 51.214, 47.890** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **78, 34.194, 238.277**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 32.604, 64.744**, and **50, 50.947, 47.740** is the 20% darker color. If you saturate the color by 10%, you get **66, 62.159, 47.893**, and if you desaturate by 10%, it is **74, 40.771, 48.009**.

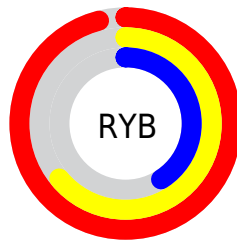
Distribution



Red (96%)

Green (57%)

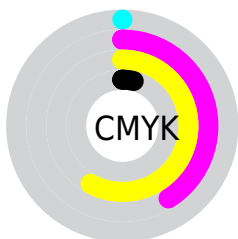
Blue (41%)



Red (96%)

Yellow (64%)

Blue (41%)

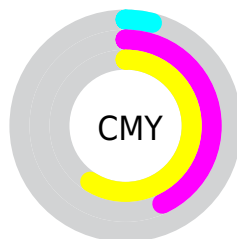


Cyan (0%)

Magenta (41%)

Yellow (58%)

Black (4%)



Cyan (4%)

Magenta (43%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 51.214, 47.890 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 70, 51.214, 47.890 by changing the saturation by 10% instead.

70, 51.214, 47.890

70, 51.214, 47.890

100, 51.214,
47.890

60, 51.214, 47.890

90, 51.214, 47.890

50, 51.214, 47.890

40, 51.214, 47.890

30, 51.214, 47.890

20, 51.214, 47.890

10, 51.214, 47.890

0, 51.214, 47.890

70, 51.214, 47.890

70, 51.214, 47.890

66, 62.159, 47.893

74, 40.771, 48.009

62, 73.229, 47.905

79, 30.983, 48.258

59, 83.544, 47.641

83, 21.885, 48.629

57, 91.533, 46.564

88, 13.458, 49.094

56, 93.113, 46.331

93, 5.654, 49.592

98, 1.583, 230.691

99, 3.184, 199.411

Harmonies

Complementary

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



70, 51.214, 47.890



78, 34.194, 238.277

Rectangle

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



70, 51.214, 47.890



70, 51.214, 97.890



70, 51.214, 227.890



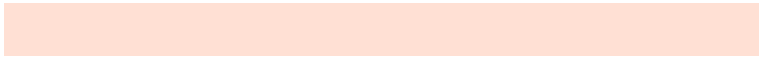
70, 51.214, 277.890

Sweetspot

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



70, 51.212, 47.894



91, 13.237, 49.130



65, 70.559, 338.198



48, 8.924, 49.030



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 51.212, 47.894



68, 65.490, 47.898



87, 57.824, 92.259



49, 4.158, 49.511



43, 75.096, 46.882



11, 26.227, 41.893

Inverse Universe

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



78, 34.194, 238.277



77, 39.744, 241.611



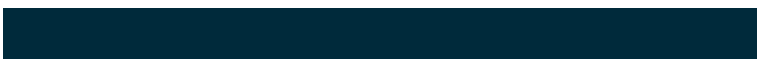
59, 62.941, 289.957



49, 3.945, 230.930



52, 38.003, 254.023



15, 16.071, 246.399

Previews

White Background



This preview shows how the CIELCh color 70, 51.214, 47.890 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 70, 51.214, 47.890 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 70, 51.214, 47.890

Background



This preview shows how black text looks on a background with the CIELCh color 70, 51.214, 47.890.



This preview shows how white text looks on a background with the CIELCh color 70, 51.214, 47.890.

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



Original Color

70, 51.214, 47.890

Protanopia

70, 31.454, 95.336

Deuteranopia

70, 40.316, 77.221



Tritanopia
70, 44.677, 17.354

Trichromacy



Original Color
70, 51.214, 47.890

Protanomaly
69, 34.958, 71.559

Deuteranomaly
70, 42.763, 64.882

Tritanomaly
70, 45.389, 29.182

Monochromacy



Original Color
70, 51.214, 47.890

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 17.249, 48.673

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 51.214, 47.890 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, 145, 104)` looks like.

```
.text, #text, p{  
    color:rgb(246, 145, 104)  
}
```

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, 145, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 145, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 51.214, 47.890 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, 145, 104) }
```

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

```
.border{ border-color:rgb(246, 145, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 145, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 145, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 145, 104);  
box-shadow:4px 4px 4px 4px rgb(246, 145,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 51.214, 47.890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 145, 104) }
```

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

```
.background{ background-color: rgb(246,  
145, 104) }
```

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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