

Converting Colors

CIELCh(70, 51.072, 48.778)

Have a look what the booklet for
CIELCh(70, 51.072, 48.778) contains.

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Color

CIELCh(70, 51.150, 48.520)

Conversions

Conversions Part 1

Format	Color
Hex	F59167
RGB	245, 145, 103
RGB Percent	96%, 57%, 40%
CMY	0.0383, 0.4306, 0.5953
CMYK	0.00, 0.41, 0.58, 0.04
HSL	18°, 88%, 68%
HSV	18°, 58%, 96%
XYZ	50.3509, 40.7494, 18.0932
YIQ	170.1120, 73.0820, 8.1380

Conversions

Conversions Part 2

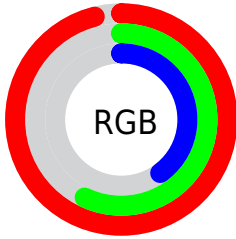
Format	Color
R _Y B	245, 163, 103
Decimal	16093543
CIE Lab	70.00, 33.88, 38.32
CIE LCh	70, 51.150, 48.520
Yxy	40.7494, 0.4611, 0.3732
Android (android.graphics.Color)	4294283623 (0xFFFF59167)
YUV	170.1120, -33.0862, 65.6768
Hunter-Lab	63.8353, 29.0825, 27.8798

Details

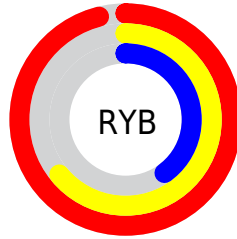
The CIELCh color **70, 51.150, 48.520** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **77, 34.306, 239.429**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 33.010, 65.287**, and **50, 50.877, 48.359** is the 20% darker color. If you saturate the color by 10%, you get **66, 62.035, 48.462**, and if you desaturate by 10%, it is **74, 40.757, 48.691**.

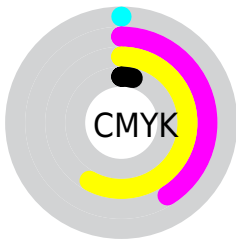
Distribution



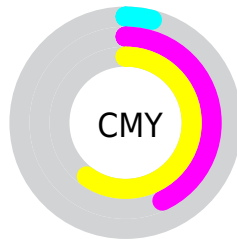
- Red (96%)
- Green (57%)
- Blue (40%)



- Red (96%)
- Yellow (64%)
- Blue (40%)



- Cyan (0%)
- Magenta (41%)
- Yellow (58%)
- Black (4%)



- Cyan (4%)
- Magenta (43%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 51.150, 48.520 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, 51.150, 48.520 by changing the saturation by 10% instead.

70, 51.150, 48.520

70, 51.150, 48.520

100, 51.150,
48.520

60, 51.150, 48.520

90, 51.150, 48.520

50, 51.150, 48.520

40, 51.150, 48.520

30, 51.150, 48.520

20, 51.150, 48.520

10, 51.150, 48.520

0, 51.150, 48.520

70, 51.150, 48.520

70, 51.150, 48.520

66, 62.035, 48.462

74, 40.757, 48.691

63, 73.029, 48.399

79, 31.010, 48.986

59, 83.248, 48.047

83, 21.946, 49.397

57, 91.143, 46.882

88, 13.545, 49.898

56, 92.602, 46.652

93, 5.761, 50.431

98, 1.463, 231.584

99, 3.378, 199.387

Harmonies

Complementary

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



70, 51.150, 48.520



77, 34.306, 239.429

Rectangle

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



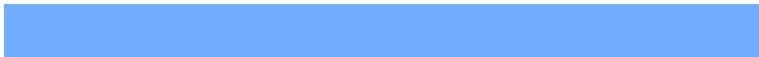
70, 51.150, 48.520



70, 51.150, 98.520



70, 51.150, 228.520



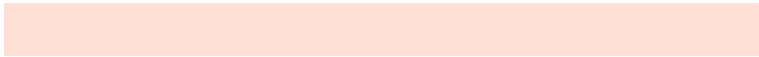
70, 51.150, 278.520

Sweetspot

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



70, 51.148, 48.524



91, 13.216, 49.945



65, 70.593, 338.213



48, 8.909, 49.838



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, 51.148, 48.524



68, 66.428, 48.454



86, 57.872, 92.238



49, 4.152, 50.352



43, 74.817, 47.210



11, 26.136, 42.436

Inverse Universe

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



77, 34.306, 239.429



77, 40.296, 243.128



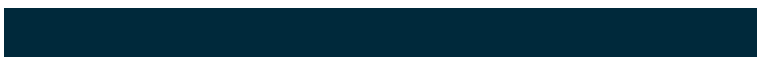
59, 63.022, 290.000



49, 3.943, 231.829



52, 38.412, 255.360



15, 16.184, 247.656

Previews

White Background



This preview shows how the CIELCh color 70, 51.150, 48.520 looks on a white background.

Color Contrast Check

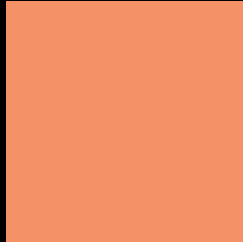
Large Text (above 18pt) WCAG AA × Fail

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, 51.150, 48.520 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, 51.150, 48.520

Background



This preview shows how black text looks on a background with the CIELCh color 70, 51.150, 48.520.

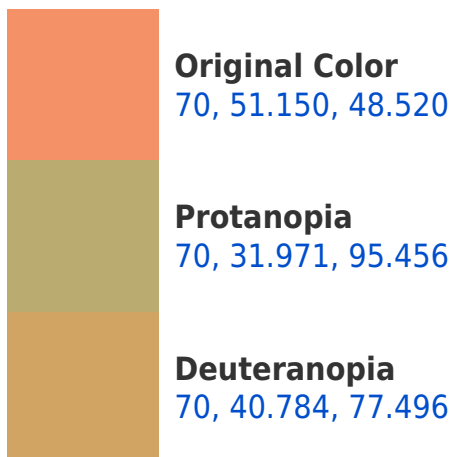


This preview shows how white text looks on a background with the CIELCh color 70, 51.150, 48.520.

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
70, 44.276, 17.245

Trichromacy



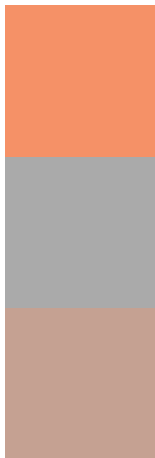
Original Color
70, 51.150, 48.520

Protanomaly
70, 35.554, 72.959

Deuteranomaly
70, 42.763, 64.882

Tritanomaly
70, 45.147, 29.837

Monochromacy



Original Color
70, 51.150, 48.520

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 16.882, 49.320

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 51.150, 48.520 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(245, 145, 103)` looks like.

```
.text, #text, p{  
    color:rgb(245, 145, 103)  
}
```

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(245, 145, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 145, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 51.150, 48.520 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(245, 145, 103) }
```

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

```
.border{ border-color:rgb(245, 145, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 145, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 145, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 145, 103);  
box-shadow:4px 4px 4px 4px rgb(245, 145,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 51.150, 48.520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 145, 103) }
```

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

```
.background{ background-color: rgb(245,  
145, 103) }
```

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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