

Converting Colors

CIELCh(70, 62.743, 52.325)

Have a look what the booklet for
CIELCh(70, 62.743, 52.325) contains.

CIELCh(70, 62.464, 52.413)	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(70, 62.464, 52.413)

Conversions

Conversions Part 1

Format	Color
Hex	FE8D52
RGB	254, 141, 82
RGB Percent	100%, 55%, 32%
CMY	0.0038, 0.4469, 0.6783
CMYK	0.00, 0.44, 0.68, 0.00
HSL	21°, 99%, 66%
HSV	21°, 68%, 100%
XYZ	51.9435, 40.7494, 13.1173
YIQ	168.0610, 86.2870, 5.6070

Conversions

Conversions Part 2

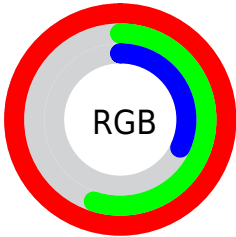
Format	Color
RYB	254, 172, 82
Decimal	16682322
CIELab	70.00, 38.10, 49.50
CIElCh	70, 62.464, 52.413
Yxy	40.7494, 0.4909, 0.3851
Android (android.graphics.Color)	4294872402 (0xFFFE8D52)
YUV	168.0610, -42.4281, 75.3685
Hunter-Lab	63.8353, 33.5357, 32.5013

Details

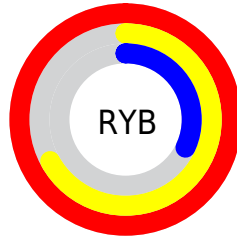
The CIELCh color **70, 62.464, 52.413** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **75, 40.871, 249.974**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **83, 41.929, 70.992**, and **50, 62.386, 52.314** is the 20% darker color. If you saturate the color by 10%, you get **66, 73.387, 51.897**, and if you desaturate by 10%, it is **74, 51.589, 52.879**.

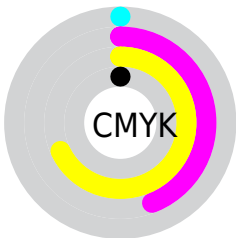
Distribution



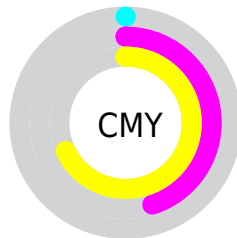
- Red (100%)
- Green (55%)
- Blue (32%)



- Red (100%)
- Yellow (67%)
- Blue (32%)



- Cyan (0%)
- Magenta (44%)
- Yellow (68%)
- Black (0%)



- Cyan (0%)
- Magenta (45%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 62.464, 52.413 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, 62.464, 52.413 by changing the saturation by 10% instead.

 70, 62.464, 52.413

 70, 62.464, 52.413

 100, 62.464,
52.413

 60, 62.464, 52.413

 90, 62.464, 52.413

 50, 62.464, 52.413

 40, 62.464, 52.413

 30, 62.464, 52.413

 20, 62.464, 52.413

 10, 62.464, 52.413

 0, 62.464, 52.413

 70, 62.464, 52.413

 70, 62.464, 52.413

 66, 73.387, 51.897

 74, 51.589, 52.879

63, 83.469, 51.040

78, 41.171, 53.395

60, 91.193, 49.354

82, 31.364, 53.995

60, 92.747, 48.958

87, 22.207, 54.675

91, 13.682, 55.414

96, 5.745, 56.162

100, 0.333,
201.377

Harmonies

Complementary

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



70, 62.464, 52.413



75, 40.871, 249.974

Rectangle

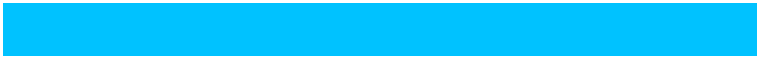
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



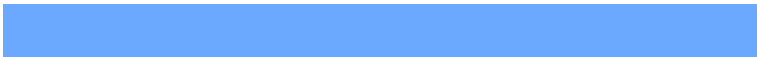
70, 62.464, 52.413



70, 62.464, 102.413



70, 62.464, 232.413



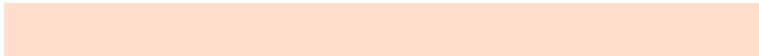
70, 62.464, 282.413

Sweetspot

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



70, 62.462, 52.416



91, 15.631, 55.241



63, 79.001, 341.929



47, 10.774, 55.031



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, 62.462, 52.416



66, 77.100, 51.671



90, 70.855, 94.410



51, 4.279, 56.034



46, 74.450, 49.575



14, 28.025, 47.236

Inverse Universe

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



75, 40.871, 249.974



71, 46.437, 255.361



52, 82.384, 295.259



51, 4.085, 237.878



50, 42.543, 263.842



16, 18.218, 256.589

Previews

White Background



This preview shows how the CIELCh color 70, 62.464, 52.413 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, 62.464, 52.413 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, 62.464, 52.413

Background



This preview shows how black text looks on a background with the CIELCh color 70, 62.464, 52.413.



This preview shows how white text looks on a background with the CIELCh color 70, 62.464, 52.413.

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, 48.893, 18.526

Trichromacy



Original Color
70, 62.464, 52.413

Protanomaly
70, 46.309, 75.963

Deuteranomaly
70, 53.510, 68.382

Tritanomaly
70, 51.637, 33.136

Monochromacy



Original Color
70, 62.464, 52.413

Achromatopsia
69, 0.009, 296.813

Achromatomaly
68, 20.720, 53.981

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 62.464, 52.413 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(254, 141, 82)` looks like.

```
.text, #text, p{  
    color:rgb(254, 141, 82)  
}
```

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(254, 141, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 141, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 62.464, 52.413 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(254, 141, 82) }
```

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

```
.border{ border-color:rgb(254, 141, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 141, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 141, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 141, 82);  
box-shadow:4px 4px 4px 4px rgb(254, 141,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 62.464, 52.413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 141, 82) }
```

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

```
.background{ background-color: rgb(254,  
141, 82) }
```

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