

Converting Colors

CIELCh(83, 103.953, 39.567)

Have a look what the booklet for
CIELCh(83, 103.953, 39.567)
contains.

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Color

CIELCh(67, 63.758, 44.234)

Conversions

Conversions Part 1

Format	Color
Hex	FE7E55
RGB	254, 126, 85
RGB Percent	100%, 49%, 33%
CMY	0.0045, 0.5057, 0.6662
CMYK	0.00, 0.50, 0.66, 0.00
HSL	15°, 99%, 66%
HSV	15°, 66%, 100%
XYZ	49.9308, 36.6320, 13.0572
YIQ	159.5980, 89.4490, 14.3850

Conversions

Conversions Part 2

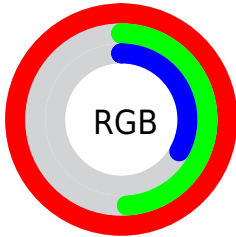
Format	Color
R_{YB}	254, 139, 85
Decimal	16678485
CIE _{Lab}	67.00, 45.68, 44.48
CIE _{LCh}	67, 63.758, 44.234
Yxy	36.6320, 0.5012, 0.3677
Android (android.graphics.Color)	4294868565 (0xFFFE7E55)
YUV	159.5980, -36.7768, 82.7906
Hunter-Lab	60.5244, 41.3396, 29.5761

Details

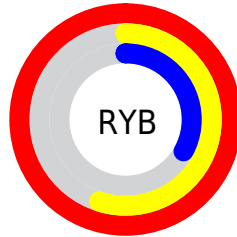
The CIELCh color **67, 63.758, 44.234** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **80, 37.972, 233.029**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 40.033, 57.043**, and **47, 63.780, 44.342** is the 20% darker color. If you saturate the color by 10%, you get **63, 75.441, 44.748**, and if you desaturate by 10%, it is **71, 52.275, 43.824**.

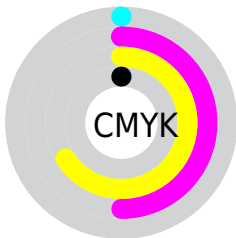
Distribution



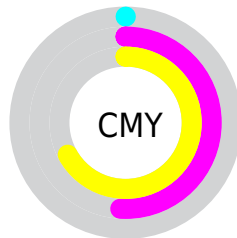
- Red (100%)
- Green (49%)
- Blue (33%)



- Red (100%)
- Yellow (55%)
- Blue (33%)



- Cyan (0%)
- Magenta (50%)
- Yellow (66%)
- Black (0%)



- Cyan (0%)
- Magenta (51%)
- Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 63.758, 44.234 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 67, 63.758, 44.234 by changing the saturation by 10% instead.

 67, 63.758, 44.234

 67, 63.758, 44.234

 100, 63.758,
44.234

 57, 63.758, 44.234

 87, 63.758, 44.234

 47, 63.758, 44.234

 97, 63.758, 44.234

 37, 63.758, 44.234

 27, 63.758, 44.234

 17, 63.758, 44.234

 7, 63.758, 44.234

 0, 63.758, 44.234

 67, 63.758, 44.234

 67, 63.758, 44.234

 63, 75.441, 44.748

 71, 52.275, 43.824

60, 86.492, 45.089

76, 41.361, 43.590

57, 95.203, 44.652

81, 31.155, 43.537

57, 97.701, 44.418

86, 21.692, 43.641

91, 12.952, 43.863

96, 4.886, 44.125

100, 0.396,
201.052

Harmonies

Complementary

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



67, 63.758, 44.234



80, 37.972, 233.029

Rectangle

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



67, 63.758, 44.234



67, 63.758, 94.234



67, 63.758, 224.234



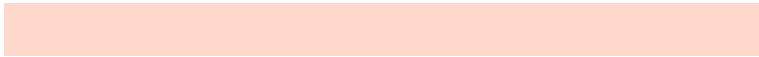
67, 63.758, 274.234

Sweetspot

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



67, 63.756, 44.237



89, 16.015, 43.774



64, 83.095, 336.681



46, 11.054, 43.711



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



67, 63.756, 44.237



62, 79.772, 44.911



86, 65.194, 87.352



50, 4.362, 44.054



43, 78.482, 44.893



12, 29.357, 39.773

Inverse Universe

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



80, 37.972, 233.029



77, 41.988, 237.236



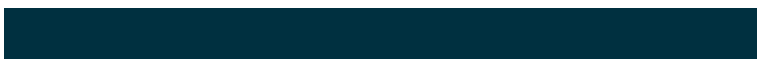
57, 70.374, 289.665



51, 4.120, 225.075



56, 36.579, 244.811



18, 16.413, 238.582

Previews

White Background



This preview shows how the CIELCh color 67, 63.758, 44.234 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 67, 63.758, 44.234 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 67, 63.758, 44.234

Background



This preview shows how black text looks on a background with the CIELCh color 67, 63.758, 44.234.



This preview shows how white text looks on a background with the CIELCh color 67, 63.758, 44.234.

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

67, 63.857, 44.246

Protanopia

67, 35.925, 95.253

Deuteranopia

67, 46.953, 79.436



Tritanopia
67, 55.408, 20.971

Trichromacy



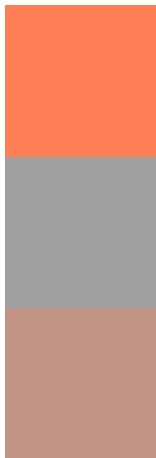
Original Color
67, 63.857, 44.246

Protanomaly
66, 40.809, 68.972

Deuteranomaly
67, 50.511, 63.291

Tritanomaly
67, 57.285, 30.284

Monochromacy



Original Color
67, 63.857, 44.246

Achromatopsia
66, 0.008, 296.813

Achromatomaly
65, 21.068, 43.930

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 63.758, 44.234 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, 126, 85)` looks like.

```
.text, #text, p{  
    color:rgb(254, 126, 85)  
}
```

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, 126, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 126, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 63.758, 44.234 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, 126, 85) }
```

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

```
.border{ border-color:rgb(254, 126, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 126, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 126, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 126, 85);  
box-shadow:4px 4px 4px 4px rgb(254, 126,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 63.758, 44.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 126, 85) }
```

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

```
.background{ background-color: rgb(254,  
126, 85) }
```

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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