

Converting Colors

CIELCh(67, 52.047, 50.170)

Have a look what the booklet for
CIELCh(67, 52.047, 50.170) contains.

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Color

CIELCh(67, 51.962, 50.176)

Conversions

Conversions Part 1

Format	Color
Hex	EC8A5D
RGB	236, 138, 93
RGB Percent	93%, 54%, 36%
CMY	0.0760, 0.4601, 0.6365
CMYK	0.00, 0.42, 0.61, 0.08
HSL	19°, 79%, 64%
HSV	19°, 61%, 92%
XYZ	45.4654, 36.6320, 14.9574
YIQ	162.1720, 72.8530, 6.7810

Conversions

Conversions Part 2

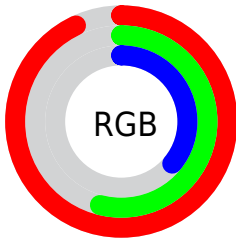
Format	Color
R _{YB}	236, 159, 93
Decimal	15501917
CIE Lab	67.00, 33.28, 39.91
CIE LCh	67, 51.962, 50.176
Yxy	36.6320, 0.4685, 0.3774
Android (android.graphics.Color)	4293691997 (0xFFEC8A5D)
YUV	162.1720, -34.1018, 64.7472
Hunter-Lab	60.5244, 28.1701, 27.7147

Details

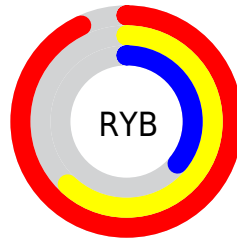
The CIELCh color **67, 51.962, 50.176** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **73, 34.731, 243.139**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 36.994, 62.971**, and **47, 52.096, 50.370** is the 20% darker color. If you saturate the color by 10%, you get **63, 62.450, 49.962**, and if you desaturate by 10%, it is **71, 41.863, 50.463**.

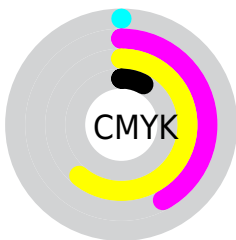
Distribution



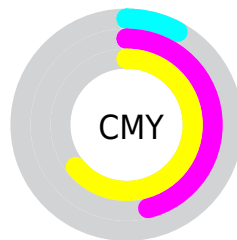
- Red (93%)
- Green (54%)
- Blue (36%)



- Red (93%)
- Yellow (62%)
- Blue (36%)



- Cyan (0%)
- Magenta (42%)
- Yellow (61%)
- Black (8%)



- Cyan (8%)
- Magenta (46%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 51.962, 50.176 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, 51.962, 50.176 by changing the saturation by 10% instead.

67, 51.962, 50.176

67, 51.962, 50.176

100, 51.962,
50.176

57, 51.962, 50.176

87, 51.962, 50.176

47, 51.962, 50.176

97, 51.962, 50.176

37, 51.962, 50.176

27, 51.962, 50.176

17, 51.962, 50.176

7, 51.962, 50.176

0, 51.962, 50.176

67, 51.962, 50.176

67, 51.962, 50.176

63, 62.450, 49.962

71, 41.863, 50.463

60, 72.863, 49.668

75, 32.346, 50.853

57, 82.182, 48.949

79, 23.467, 51.348

55, 88.859, 47.628

84, 15.219, 51.928

88, 7.563, 52.554

93, 0.448, 52.085

98, 5.578, 222.505

99, 6.646, 199.084

Harmonies

Complementary

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



67, 51.962, 50.176



73, 34.731, 243.139

Rectangle

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



67, 51.962, 50.176



67, 51.962, 100.176



67, 51.962, 230.176



67, 51.962, 280.176

Sweetspot

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



67, 51.960, 50.180



91, 13.999, 52.088



61, 70.164, 339.297



47, 9.836, 51.907



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, 51.960, 50.180



67, 69.272, 49.901



84, 59.198, 93.056



47, 3.998, 52.627



42, 72.493, 48.205



10, 23.381, 42.674

Inverse Universe

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



73, 34.731, 243.139



75, 42.032, 247.374



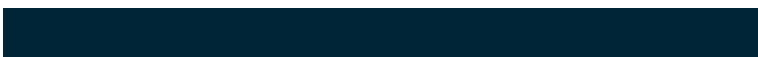
54, 65.625, 291.595



47, 3.806, 234.250



49, 38.759, 258.735



13, 15.489, 249.986

Previews

White Background



This preview shows how the CIELCh color 67, 51.962, 50.176 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, 51.962, 50.176 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, 51.962, 50.176

Background



This preview shows how black text looks on a background with the CIELCh color 67, 51.962, 50.176.



This preview shows how white text looks on a background with the CIELCh color 67, 51.962, 50.176.

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
67, 43.888, 17.964

Trichromacy



Original Color
67, 51.962, 50.176

Protanomaly
67, 36.592, 74.027

Deuteranomaly
67, 44.212, 66.167

Tritanomaly
67, 45.140, 31.341

Monochromacy



Original Color
67, 51.962, 50.176

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 17.393, 50.757

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 51.962, 50.176 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(236, 138, 93)` looks like.

```
.text, #text, p{  
    color:rgb(236, 138, 93)  
}
```

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(236, 138, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 138, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 51.962, 50.176 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(236, 138, 93) }
```

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

```
.border{ border-color:rgb(236, 138, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 138, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 138, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 138, 93);  
box-shadow:4px 4px 4px 4px rgb(236, 138,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 51.962, 50.176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 138, 93) }
```

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

```
.background{ background-color: rgb(236,  
138, 93) }
```

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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