

Converting Colors

CIELCh(67, 45.950, 47.427)

Have a look what the booklet for
CIELCh(67, 45.950, 47.427) contains.

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Color

CIELCh(67, 45.950, 47.427)

Conversions

Conversions Part 1

Format	Color
Hex	E78C68
RGB	231, 140, 104
RGB Percent	91%, 55%, 41%
CMY	0.0951, 0.4518, 0.5930
CMYK	0.00, 0.39, 0.55, 0.10
HSL	17°, 72%, 66%
HSV	17°, 55%, 90%
XYZ	44.7052, 36.6320, 17.7548
YIQ	163.1050, 65.7920, 8.0960

Conversions

Conversions Part 2

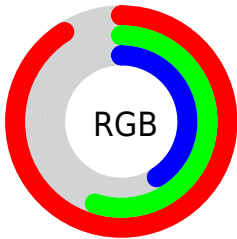
Format	Color
R _Y B	231, 154, 104
Decimal	15174760
CIE Lab	67.00, 31.09, 33.84
CIE LCh	67, 45.950, 47.427
Yxy	36.6320, 0.4511, 0.3697
Android (android.graphics.Color)	4293364840 (0xFFE78C68)
YUV	163.1050, -29.1388, 59.5439
Hunter-Lab	60.5244, 25.9282, 24.9744

Details

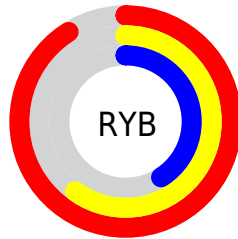
The CIELCh color $67, 45.950, 47.427$ is a light color, and the websafe version is hex FF9966 . A complement of this color would be $75, 31.315, 236.724$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 32.413, 58.280$, and $47, 45.676, 47.737$ is the 20% darker color. If you saturate the color by 10%, you get $63, 56.262, 47.448$, and if you desaturate by 10%, it is $71, 36.174, 47.545$.

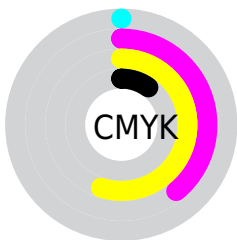
Distribution



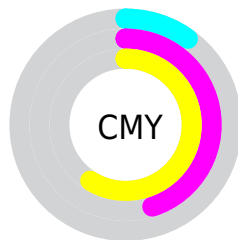
- Red (91%)
- Green (55%)
- Blue (41%)



- Red (91%)
- Yellow (60%)
- Blue (41%)



- Cyan (0%)
- Magenta (39%)
- Yellow (55%)
- Black (10%)



- Cyan (10%)
- Magenta (45%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 45.950, 47.427 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, 45.950, 47.427 by changing the saturation by 10% instead.

67, 45.950, 47.427

67, 45.950, 47.427

100, 45.950,
47.427

57, 45.950, 47.427

87, 45.950, 47.427

47, 45.950, 47.427

97, 45.950, 47.427

37, 45.950, 47.427

27, 45.950, 47.427

17, 45.950, 47.427

7, 45.950, 47.427

0, 45.950, 47.427

67, 45.950, 47.427

67, 45.950, 47.427

63, 56.262, 47.448

71, 36.174, 47.545

60, 66.838, 47.527

75, 27.040, 47.796

56, 77.022, 47.453

80, 18.561, 48.165

54, 85.467, 46.730

85, 10.712, 48.620

53, 88.899, 46.209

89, 3.443, 49.058

94, 3.302, 230.001

98, 8.274, 198.962

Harmonies

Complementary

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



67, 45.950, 47.427



75, 31.315, 236.724

Rectangle

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



67, 45.950, 47.427



67, 45.950, 97.427



67, 45.950, 227.427



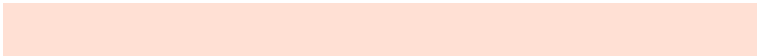
67, 45.950, 277.427

Sweetspot

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



67, 45.948, 47.431



91, 13.255, 48.521



62, 64.439, 337.912



48, 8.937, 48.426



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, 45.948, 47.431



69, 62.205, 47.458



82, 52.494, 92.640



46, 3.947, 48.885



41, 72.910, 46.740



9, 22.489, 39.293

Inverse Universe

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



75, 31.315, 236.724



78, 38.510, 239.777



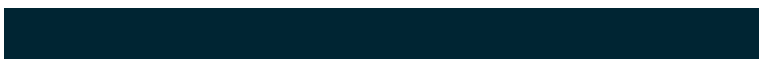
57, 56.683, 289.181



46, 3.744, 230.253



50, 36.508, 252.841



13, 14.526, 243.999

Previews

White Background



This preview shows how the CIELCh color 67, 45.950, 47.427 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, 45.950, 47.427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

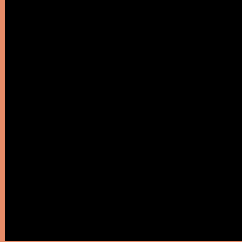
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 45.950, 47.427

Background



This preview shows how black text looks on a background with the CIELCh color 67, 45.950, 47.427.



This preview shows how white text looks on a background with the CIELCh color 67, 45.950, 47.427.

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, 40.903, 16.358

Trichromacy



Original Color
67, 45.950, 47.427

Protanomaly
67, 31.113, 71.655

Deuteranomaly
67, 38.176, 63.413

Tritanomaly
67, 41.327, 28.751

Monochromacy



Original Color
67, 45.950, 47.427

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 15.620, 49.786

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 45.950, 47.427 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(231, 140, 104)` looks like.

```
.text, #text, p{  
    color:rgb(231, 140, 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(231, 140, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 140, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 45.950, 47.427 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(231, 140, 104) }
```

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

```
.border{ border-color:rgb(231, 140, 104) }
```

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

Here you see how a box with a 4 pixel rgb(231, 140, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 140, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 140, 104);  
box-shadow:4px 4px 4px 4px rgb(231, 140,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 45.950, 47.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 140, 104) }
```

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

```
.background{ background-color: rgb(231,  
140, 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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