

Converting Colors

CIELCh(68, 40.457, 44.317)

Have a look what the booklet for
CIELCh(68, 40.457, 44.317) contains.

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Color

CIELCh(68, 40.715, 44.117)

Conversions

Conversions Part 1

Format	Color
Hex	E59074
RGB	229, 144, 116
RGB Percent	90%, 56%, 45%
CMY	0.1010, 0.4345, 0.5443
CMYK	0.00, 0.37, 0.49, 0.10
HSL	15°, 69%, 68%
HSV	15°, 49%, 90%
XYZ	45.5570, 37.9720, 21.5119
YIQ	166.2230, 59.6480, 9.3120

Conversions

Conversions Part 2

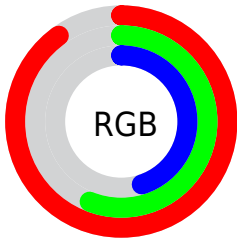
Format	Color
R_{YB}	229, 153, 116
Decimal	15044724
CIE _{Lab}	68.00, 29.23, 28.34
CIE _{LCh}	68, 40.715, 44.117
Yxy	37.9720, 0.4337, 0.3615
Android (android.graphics.Color)	4293234804 (0xFFE59074)
YUV	166.2230, -24.7599, 55.0554
Hunter-Lab	61.6215, 24.1282, 22.4371

Details

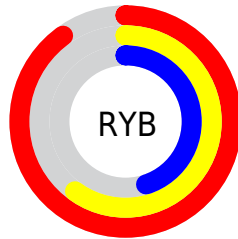
The CIELCh color **68, 40.715, 44.117** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **77, 28.521, 230.038**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 28.082, 54.423**, and **48, 40.680, 44.746** is the 20% darker color. If you saturate the color by 10%, you get **64, 50.882, 44.357**, and if you desaturate by 10%, it is **72, 31.171, 44.062**.

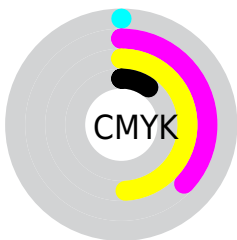
Distribution



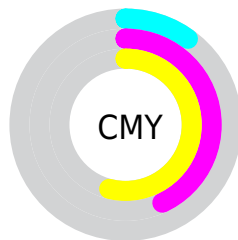
- Red (90%)
- Green (56%)
- Blue (45%)



- Red (90%)
- Yellow (60%)
- Blue (45%)



- Cyan (0%)
- Magenta (37%)
- Yellow (49%)
- Black (10%)



- Cyan (10%)
- Magenta (43%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 40.715, 44.117 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 68, 40.715, 44.117 by changing the saturation by 10% instead.

 68, 40.715, 44.117

 68, 40.715, 44.117

 100, 40.715,
44.117

 58, 40.715, 44.117

 88, 40.715, 44.117

 48, 40.715, 44.117

 98, 40.715, 44.117

 38, 40.715, 44.117

 28, 40.715, 44.117

 18, 40.715, 44.117


 8, 40.715, 44.117

 0, 40.715, 44.117

 68, 40.715, 44.117

 68, 40.715, 44.117

 64, 50.882, 44.357

 72, 31.171, 44.062

60, 61.510, 44.753

77, 22.304, 44.161

57, 72.194, 45.195

82, 14.104, 44.385

54, 82.009, 45.354

86, 6.531, 44.680

52, 89.550, 44.785

91, 0.470, 226.436

51, 90.040, 44.770

96, 6.957, 225.749

98, 8.775, 198.926

Harmonies

Complementary

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



68, 40.715, 44.117



77, 28.521, 230.038

Rectangle

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



68, 40.715, 44.117



68, 40.715, 94.117



68, 40.715, 224.117



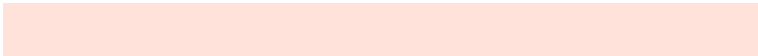
68, 40.715, 274.117

Sweetspot

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



68, 40.713, 44.121



92, 11.742, 44.507



65, 60.225, 335.193



48, 8.080, 44.444



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 40.713, 44.121



71, 55.190, 44.359



81, 45.148, 89.810



46, 3.990, 44.676



40, 74.235, 45.237



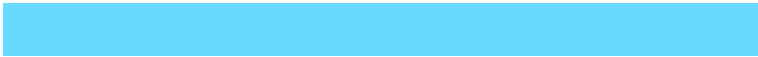
9, 22.966, 36.534

Inverse Universe

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



77, 28.521, 230.038



82, 35.351, 232.062



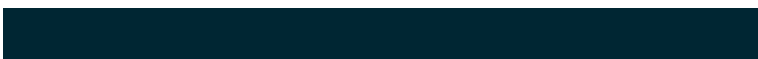
62, 46.852, 284.760



47, 3.774, 225.736



52, 34.901, 245.671



14, 14.179, 237.556

Previews

White Background



This preview shows how the CIELCh color 68, 40.715, 44.117 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 68, 40.715, 44.117 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

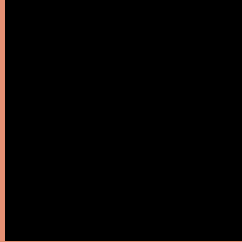
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 40.715, 44.117

Background



This preview shows how black text looks on a background with the CIELCh color 68, 40.715, 44.117.



This preview shows how white text looks on a background with the CIELCh color 68, 40.715, 44.117.

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

68, 40.715, 44.117

Protanopia

68, 22.407, 95.032

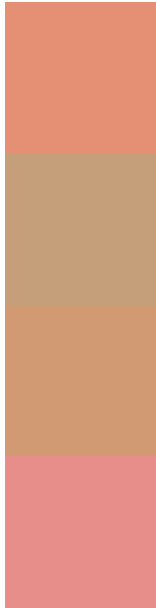
Deuteranopia

68, 30.871, 73.521



Tritanopia
68, 37.395, 15.127

Trichromacy



Original Color
68, 40.715, 44.117

Protanomaly
68, 26.086, 68.632

Deuteranomaly
68, 33.313, 61.157

Tritanomaly
68, 37.164, 26.379

Monochromacy



Original Color
68, 40.715, 44.117

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 13.686, 43.895

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 40.715, 44.117 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(229, 144, 116)` looks like.

```
.text, #text, p{  
    color:rgb(229, 144, 116)  
}
```

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(229, 144, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 144, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 40.715, 44.117 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(229, 144, 116) }
```

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

```
.border{ border-color:rgb(229, 144, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 144, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 144, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 144, 116);  
box-shadow:4px 4px 4px 4px rgb(229, 144,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 40.715, 44.117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 144, 116) }
```

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

```
.background{ background-color: rgb(229,  
144, 116) }
```

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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