

Converting Colors

CIELCh(65, 46.471, 42.956)

Have a look what the booklet for
CIELCh(65, 46.471, 42.956) contains.

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Color

CIELCh(65, 46.419, 42.850)

Conversions

Conversions Part 1

Format	Color
Hex	E48467
RGB	228, 132, 103
RGB Percent	89%, 52%, 40%
CMY	0.1052, 0.4817, 0.5955
CMYK	0.00, 0.42, 0.55, 0.11
HSL	14°, 70%, 65%
HSV	14°, 55%, 89%
XYZ	42.7761, 34.0472, 17.1864
YIQ	157.3980, 66.5250, 11.3330

Conversions

Conversions Part 2

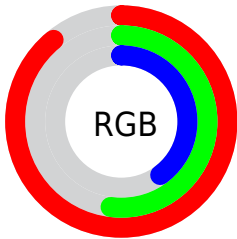
Format	Color
R _Y B	228, 141, 103
Decimal	14976103
CIE Lab	65.00, 34.03, 31.57
CIE LCh	65, 46.419, 42.850
Yxy	34.0472, 0.4550, 0.3622
Android (android.graphics.Color)	4293166183 (0xFFE48467)
YUV	157.3980, -26.8182, 61.9180
Hunter-Lab	58.3500, 28.7451, 23.3817

Details

The CIELCh color **65, 46.419, 42.850** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **76, 30.731, 228.610**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 33.462, 51.112**, and **45, 46.276, 43.241** is the 20% darker color. If you saturate the color by 10%, you get **61, 56.916, 43.327**, and if you desaturate by 10%, it is **69, 36.472, 42.575**.

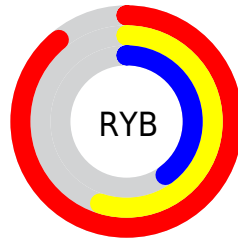
Distribution



Red (89%)

Green (52%)

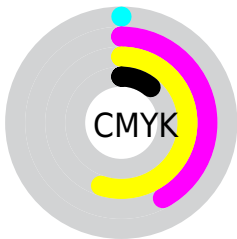
Blue (40%)



Red (89%)

Yellow (55%)

Blue (40%)

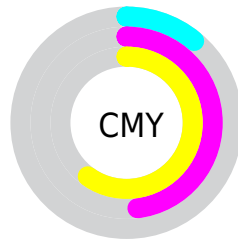


Cyan (0%)

Magenta (42%)

Yellow (55%)

Black (11%)



Cyan (11%)

Magenta (48%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 46.419, 42.850 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 65, 46.419, 42.850 by changing the saturation by 10% instead.

65, 46.419, 42.850

65, 46.419, 42.850

100, 46.419,
42.850

55, 46.419, 42.850

85, 46.419, 42.850

45, 46.419, 42.850

95, 46.419, 42.850

35, 46.419, 42.850

25, 46.419, 42.850

15, 46.419, 42.850

5, 46.419, 42.850

0, 46.419, 42.850

65, 46.419, 42.850

65, 46.419, 42.850

61, 56.916, 43.327

69, 36.472, 42.575

57, 67.692, 43.939

74, 27.188, 42.483

54, 78.102, 44.479

79, 18.586, 42.548

52, 86.768, 44.415

83, 10.643, 42.728

51, 90.382, 44.206

88, 3.312, 42.908

93, 3.464, 223.632

98, 9.062, 199.515

98, 9.127, 198.901

Harmonies

Complementary

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



65, 46.419, 42.850



76, 30.731, 228.610

Rectangle

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



65, 46.419, 42.850



65, 46.419, 92.850



65, 46.419, 222.850



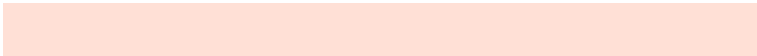
65, 46.419, 272.850

Sweetspot

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



65, 46.417, 42.854



91, 12.662, 42.700



62, 66.495, 334.925



48, 8.622, 42.658



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 46.417, 42.854



67, 63.783, 43.419



79, 49.302, 87.787



46, 4.017, 42.846



40, 74.795, 44.643



9, 23.187, 35.394

Inverse Universe

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



76, 30.731, 228.610



81, 37.884, 231.143



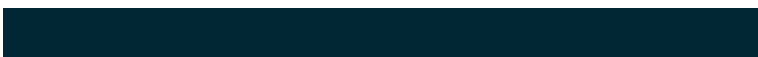
59, 51.082, 285.117



47, 3.794, 223.765



53, 34.363, 242.358



14, 14.080, 234.654

Previews

White Background



This preview shows how the CIELCh color 65, 46.419, 42.850 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 65, 46.419, 42.850 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 65, 46.419, 42.850

Background



This preview shows how black text looks on a background with the CIELCh color 65, 46.419, 42.850.



This preview shows how white text looks on a background with the CIELCh color 65, 46.419, 42.850.

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

65, 46.419, 42.850

Protanopia

65, 24.736, 95.681

Deuteranopia

65, 34.040, 75.783



Tritanopia
65, 42.474, 17.665

Trichromacy



Original Color
65, 46.419, 42.850

Protanomaly
65, 28.653, 68.270

Deuteranomaly
65, 36.799, 60.355

Tritanomaly
65, 42.638, 27.492

Monochromacy



Original Color
65, 46.419, 42.850

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 15.671, 43.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 46.419, 42.850 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(228, 132, 103)` looks like.

```
.text, #text, p{  
    color:rgb(228, 132, 103)  
}
```

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(228, 132, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 132, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 46.419, 42.850 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(228, 132, 103) }
```

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

```
.border{ border-color:rgb(228, 132, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 132, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 132, 103); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 132, 103); box-shadow:4px 4px 4px 4px rgb(228, 132, 103) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 46.419, 42.850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 132, 103) }
```

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

```
.background{ background-color: rgb(228,  
132, 103) }
```

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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