

Converting Colors

CIELCh(65, 46.709, 42.508)

Have a look what the booklet for
CIELCh(65, 46.709, 42.508) contains.

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Color

CIELCh(65, 46.835, 42.700)

Conversions

Conversions Part 1

Format	Color
Hex	E58467
RGB	229, 132, 103
RGB Percent	90%, 52%, 40%
CMY	0.1028, 0.4831, 0.5968
CMYK	0.00, 0.42, 0.55, 0.10
HSL	14°, 71%, 65%
HSV	14°, 55%, 90%
XYZ	42.9062, 34.0472, 17.0945
YIQ	157.6970, 67.1210, 11.5450

Conversions

Conversions Part 2

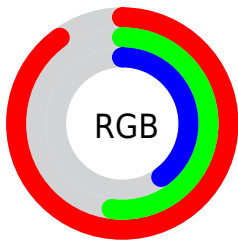
Format	Color
R _Y B	229, 141, 103
Decimal	15041639
CIE Lab	65.00, 34.42, 31.76
CIE LCh	65, 46.835, 42.700
Yxy	34.0472, 0.4562, 0.3620
Android (android.graphics.Color)	4293231719 (0xFFE58467)
YUV	157.6970, -26.9656, 62.5327
Hunter-Lab	58.3500, 29.1432, 23.4751

Details

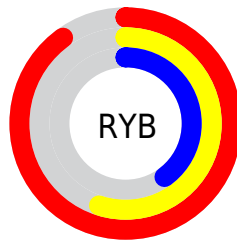
The CIELCh color **65, 46.835, 42.700** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **76, 30.903, 228.369**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 33.462, 51.112**, and **45, 46.718, 43.102** is the 20% darker color. If you saturate the color by 10%, you get **61, 57.377, 43.199**, and if you desaturate by 10%, it is **69, 36.840, 42.405**.

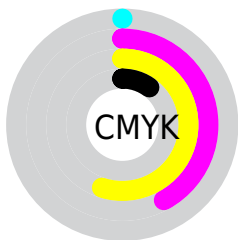
Distribution



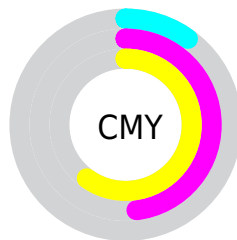
- Red (90%)
- Green (52%)
- Blue (40%)



- Red (90%)
- Yellow (55%)
- Blue (40%)



- Cyan (0%)
- Magenta (42%)
- Yellow (55%)
- Black (10%)



- Cyan (10%)
- Magenta (48%)
- Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 46.835, 42.700 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, 46.835, 42.700 by changing the saturation by 10% instead.

 65, 46.835, 42.700

 65, 46.835, 42.700

 100, 46.835,
42.700

 55, 46.835, 42.700

 85, 46.835, 42.700

 45, 46.835, 42.700

 95, 46.835, 42.700

 35, 46.835, 42.700

 25, 46.835, 42.700

 15, 46.835, 42.700

 5, 46.835, 42.700

 0, 46.835, 42.700

 65, 46.835, 42.700

 65, 46.835, 42.700

 61, 57.377, 43.199

 69, 36.840, 42.405

57, 68.187, 43.834

74, 27.507, 42.295

54, 78.602, 44.389

79, 18.860, 42.345

52, 87.214, 44.321

83, 10.875, 42.513

51, 90.645, 44.137

88, 3.507, 42.690

93, 3.303, 223.403

98, 8.927, 198.915

Harmonies

Complementary

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



65, 46.835, 42.700



76, 30.903, 228.369

Rectangle

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



65, 46.835, 42.700



65, 46.835, 92.700



65, 46.835, 222.700



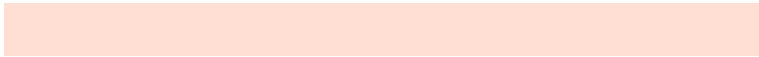
65, 46.835, 272.700

Sweetspot

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



65, 46.833, 42.704



91, 13.521, 42.472



62, 66.903, 334.947



47, 9.119, 42.434



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, 46.833, 42.704



67, 63.846, 43.279



79, 49.639, 87.749



46, 4.020, 42.631



40, 74.860, 44.575



9, 23.213, 35.263

Inverse Universe

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



76, 30.903, 228.369



81, 37.876, 230.828



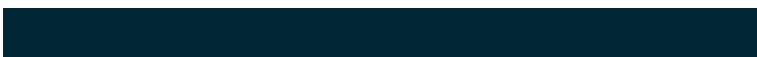
59, 51.454, 285.191



47, 3.796, 223.534



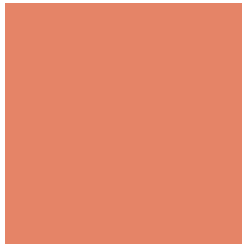
53, 34.307, 241.962



14, 14.071, 234.310

Previews

White Background



This preview shows how the CIELCh color 65, 46.835, 42.700 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, 46.835, 42.700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

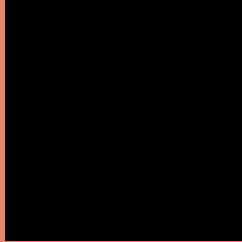
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 46.835, 42.700

Background



This preview shows how black text looks on a background with the CIELCh color 65, 46.835, 42.700.



This preview shows how white text looks on a background with the CIELCh color 65, 46.835, 42.700.

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](#).

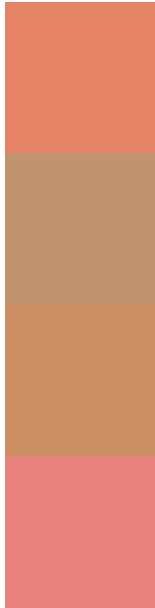
Dichromacy





Tritanopia
65, 42.933, 17.814

Trichromacy



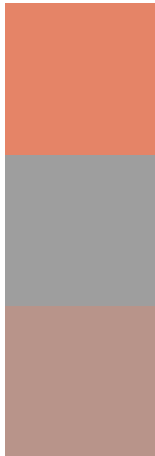
Original Color
65, 46.835, 42.700

Protanomaly
64, 28.554, 66.997

Deuteranomaly
65, 37.207, 60.875

Tritanomaly
65, 43.124, 27.529

Monochromacy



Original Color
65, 46.835, 42.700

Achromatopsia
65, 0.008, 296.813

Achromatomaly
64, 15.841, 40.991

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 46.835, 42.700 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, 132, 103)` looks like.

```
.text, #text, p{  
  color:rgb(229, 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(229, 132, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 132, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 46.835, 42.700 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, 132, 103) }
```

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

```
.border{ border-color:rgb(229, 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(229, 132, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 132, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 132, 103);  
box-shadow:4px 4px 4px 4px rgb(229, 132,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 46.835, 42.700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 132, 103) }
```

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

```
.background{ background-color: rgb(229,  
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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