

Converting Colors

CIELCh(70, 45.960, 43.840)

Have a look what the booklet for
CIELCh(70, 45.960, 43.840) contains.

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Color

CIELCh(70, 45.959, 43.845)

Conversions

Conversions Part 1

Format	Color
Hex	F29273
RGB	242, 146, 115
RGB Percent	95%, 57%, 45%
CMY	0.0503, 0.4269, 0.5485
CMYK	0.00, 0.40, 0.52, 0.05
HSL	15°, 83%, 70%
HSV	15°, 52%, 95%
XYZ	50.0776, 40.7494, 21.4868
YIQ	171.1700, 67.1670, 10.7110

Conversions

Conversions Part 2

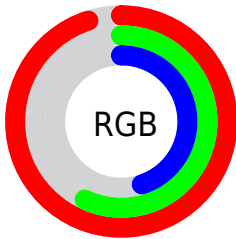
Format	Color
R_{YB}	242, 156, 115
Decimal	15897203
CIE _{Lab}	70.00, 33.15, 31.84
CIE _{LCh}	70, 45.959, 43.845
Yxy	40.7494, 0.4459, 0.3628
Android (android.graphics.Color)	4294087283 (0xFFFF29273)
YUV	171.1700, -27.6918, 62.1179
Hunter-Lab	63.8353, 28.3183, 24.7278

Details

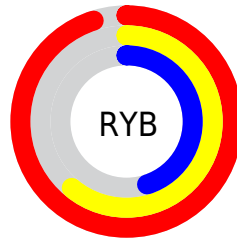
The CIELCh color **70, 45.959, 43.845** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **80, 31.214, 230.080**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 28.391, 58.928**, and **50, 46.047, 43.960** is the 20% darker color. If you saturate the color by 10%, you get **66, 56.797, 44.176**, and if you desaturate by 10%, it is **75, 35.734, 43.704**.

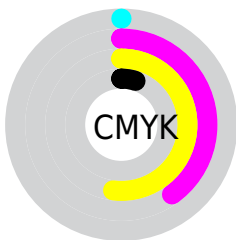
Distribution



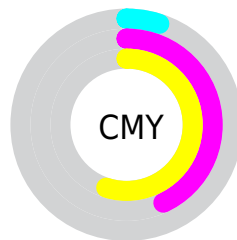
- Red (95%)
- Green (57%)
- Blue (45%)



- Red (95%)
- Yellow (61%)
- Blue (45%)



- Cyan (0%)
- Magenta (40%)
- Yellow (52%)
- Black (5%)



- Cyan (5%)
- Magenta (43%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 45.959, 43.845 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 70, 45.959, 43.845 by changing the saturation by 10% instead.

 70, 45.959, 43.845

 70, 45.959, 43.845

 100, 45.959,
43.845

 60, 45.959, 43.845

 90, 45.959, 43.845

 50, 45.959, 43.845

 40, 45.959, 43.845

 30, 45.959, 43.845

 20, 45.959, 43.845

 10, 45.959, 43.845

 0, 45.959, 43.845

 70, 45.959, 43.845

 70, 45.959, 43.845

 66, 56.797, 44.176

 75, 35.734, 43.704

62, 68.016, 44.646

79, 26.214, 43.731

59, 79.046, 45.090

84, 17.402, 43.897

56, 88.635, 45.059

89, 9.266, 44.161

54, 94.117, 44.547

94, 1.753, 44.259

99, 4.427, 199.274

Harmonies

Complementary

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



70, 45.959, 43.845



80, 31.214, 230.080

Rectangle

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



70, 45.959, 43.845



70, 45.959, 93.845



70, 45.959, 223.845



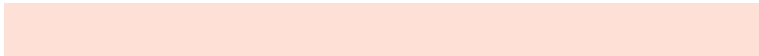
70, 45.959, 273.845

Sweetspot

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



70, 45.957, 43.849



91, 12.595, 44.059



67, 66.459, 335.459



48, 8.575, 44.004



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 45.957, 43.849



69, 59.894, 44.206



85, 50.173, 89.358



47, 4.142, 44.245



41, 75.995, 45.036



10, 25.575, 37.948

Inverse Universe

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



80, 31.214, 230.080



81, 36.883, 232.412



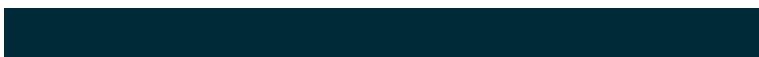
63, 52.349, 285.605



49, 3.915, 225.275



54, 35.519, 245.006



15, 15.071, 237.774

Previews

White Background



This preview shows how the CIELCh color 70, 45.959, 43.845 looks on a white background.

Color Contrast Check

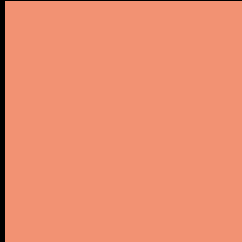
Large Text (above 18pt) WCAG AA × Fail

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 70, 45.959, 43.845 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 70, 45.959, 43.845

Background



This preview shows how black text looks on a background with the CIELCh color 70, 45.959, 43.845.

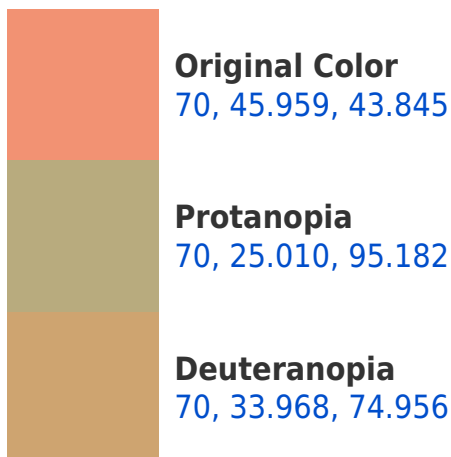


This preview shows how white text looks on a background with the CIELCh color 70, 45.959, 43.845.

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
70, 42.132, 15.886

Trichromacy



Original Color
70, 45.959, 43.845

Protanomaly
70, 28.855, 68.526

Deuteranomaly
70, 36.820, 61.691

Tritanomaly
70, 42.132, 26.447

Monochromacy



Original Color
70, 45.959, 43.845

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 15.376, 43.337

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 45.959, 43.845 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(242, 146, 115)` looks like.

```
.text, #text, p{  
    color:rgb(242, 146, 115)  
}
```

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(242, 146, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 146, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 45.959, 43.845 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(242, 146, 115) }
```

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

```
.border{ border-color:rgb(242, 146, 115) }
```

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

Here you see how a box with a 4 pixel rgb(242, 146, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 146, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 146, 115);  
box-shadow:4px 4px 4px 4px rgb(242, 146,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 45.959, 43.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 146, 115) }
```

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

```
.background{ background-color: rgb(242,  
146, 115) }
```

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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