

Converting Colors

CIELCh(70, 40.799, 50.390)

Have a look what the booklet for
CIELCh(70, 40.799, 50.390) contains.

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Color

CIELCh(70, 41.093, 50.618)

Conversions

Conversions Part 1

Format	Color
Hex	E89873
RGB	232, 152, 115
RGB Percent	91%, 60%, 45%
CMY	0.0910, 0.4046, 0.5497
CMYK	0.00, 0.35, 0.50, 0.09
HSL	19°, 72%, 68%
HSV	19°, 50%, 91%
XYZ	47.4920, 40.7494, 21.5279
YIQ	171.7020, 59.5570, 5.4530

Conversions

Conversions Part 2

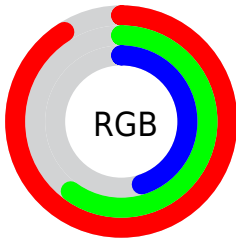
Format	Color
R_{YB}	232, 169, 115
Decimal	15243379
CIE _{Lab}	70.00, 26.07, 31.76
CIE _{LCh}	70, 41.093, 50.618
Yxy	40.7494, 0.4327, 0.3712
Android (android.graphics.Color)	4293433459 (0xFFE89873)
YUV	171.7020, -27.9541, 52.8813
Hunter-Lab	63.8353, 21.0883, 24.6897

Details

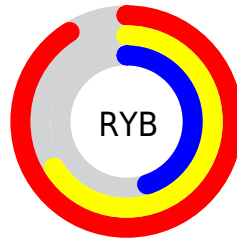
The CIELCh color **70, 41.093, 50.618** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **75, 29.768, 240.671**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 28.696, 66.307**, and **50, 41.162, 50.451** is the 20% darker color. If you saturate the color by 10%, you get **66, 51.035, 50.325**, and if you desaturate by 10%, it is **74, 31.722, 51.025**.

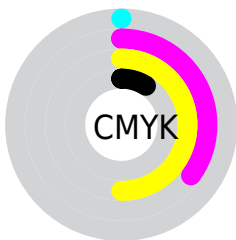
Distribution



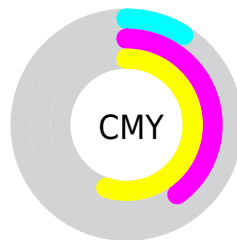
- Red (91%)
- Green (60%)
- Blue (45%)



- Red (91%)
- Yellow (66%)
- Blue (45%)



- Cyan (0%)
- Magenta (35%)
- Yellow (50%)
- Black (9%)



- Cyan (9%)
- Magenta (40%)
- Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 41.093, 50.618 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, 41.093, 50.618 by changing the saturation by 10% instead.

 70, 41.093, 50.618

 70, 41.093, 50.618

 100, 41.093,
50.618

 60, 41.093, 50.618

 90, 41.093, 50.618

 50, 41.093, 50.618

 40, 41.093, 50.618

 30, 41.093, 50.618

 20, 41.093, 50.618

 10, 41.093, 50.618

 0, 41.093, 50.618

 70, 41.093, 50.618

 70, 41.093, 50.618

 66, 51.035, 50.325

 74, 31.722, 51.025

63, 61.370, 50.093

78, 22.980, 51.531

59, 71.646, 49.790

83, 14.858, 52.120

56, 80.879, 49.073

87, 7.318, 52.752

54, 87.664, 47.736

92, 0.308, 51.744

96, 6.229, 234.389

98, 7.926, 198.988

Harmonies

Complementary

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



70, 41.093, 50.618



75, 29.768, 240.671

Rectangle

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



70, 41.093, 50.618



70, 41.093, 100.618



70, 41.093, 230.618



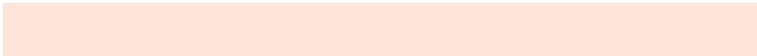
70, 41.093, 280.618

Sweetspot

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



70, 41.092, 50.623



93, 11.532, 52.459



64, 59.363, 338.258



48, 7.931, 52.325



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, 41.092, 50.623



72, 55.794, 50.304



84, 49.158, 94.348



46, 3.926, 52.815



42, 71.646, 48.319



10, 22.085, 42.049

Inverse Universe

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



75, 29.768, 240.671



78, 37.177, 243.561



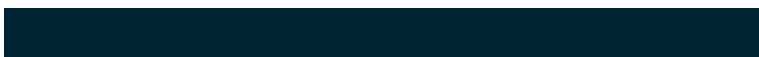
60, 52.922, 288.952



46, 3.738, 234.446



48, 38.432, 258.954



12, 14.991, 249.695

Previews

White Background



This preview shows how the CIELCh color 70, 41.093, 50.618 looks on a white background.

Color Contrast Check

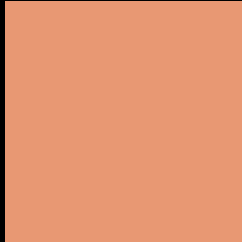
Large Text (above 18pt) WCAG AA × Fail

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, 41.093, 50.618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

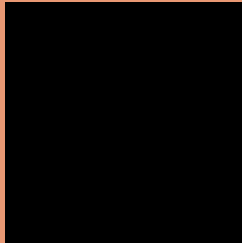
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 41.093, 50.618

Background



This preview shows how black text looks on a background with the CIELCh color 70, 41.093, 50.618.

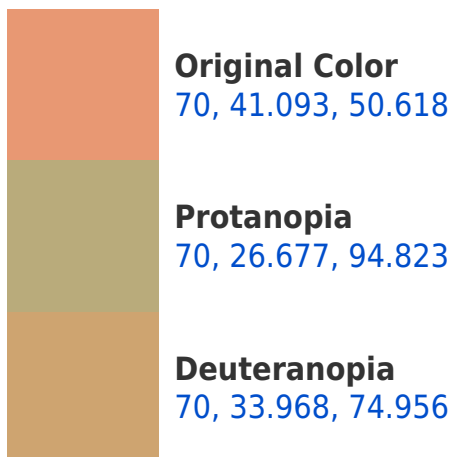


This preview shows how white text looks on a background with the CIELCh color 70, 41.093, 50.618.

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, 35.923, 13.684

Trichromacy



Original Color
70, 41.093, 50.618

Protanomaly
70, 29.228, 74.033

Deuteranomaly
70, 35.602, 65.512

Tritanomaly
70, 35.879, 27.913

Monochromacy



Original Color
70, 41.093, 50.618

Achromatopsia
70, 0.009, 296.813

Achromatomaly
70, 13.987, 53.095

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 41.093, 50.618 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(232, 152, 115)` looks like.

```
.text, #text, p{  
    color:rgb(232, 152, 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(232, 152, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 152, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 41.093, 50.618 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(232, 152, 115) }
```

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

```
.border{ border-color:rgb(232, 152, 115) }
```

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

Here you see how a box with a 4 pixel rgb(232, 152, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 152, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 152, 115);  
box-shadow:4px 4px 4px 4px rgb(232, 152,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 41.093, 50.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 152, 115) }
```

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

```
.background{ background-color: rgb(232,  
152, 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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