

Converting Colors

CIELCh(45, 30.982, 11.862)

Have a look what the booklet for
CIELCh(45, 30.982, 11.862) contains.

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Color

CIELCh(45, 30.849, 12.190)

Conversions

Conversions Part 1

Format	Color
Hex	9C5661
RGB	156, 86, 97
RGB Percent	61%, 34%, 38%
CMY	0.3889, 0.6633, 0.6202
CMYK	0.00, 0.45, 0.38, 0.39
HSL	351°, 29%, 47%
HSV	351°, 45%, 61%
XYZ	19.1429, 14.5417, 13.0699
YIQ	108.1840, 38.1890, 18.2610

Conversions

Conversions Part 2

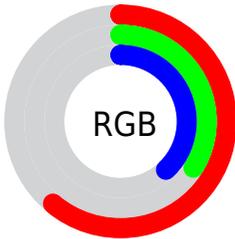
Format	Color
RYB	156, 86, 97
Decimal	10245729
CIELab	45.00, 30.15, 6.51
CIElCh	45, 30.849, 12.190
Yxy	14.5417, 0.4094, 0.3110
Android (android.graphics.Color)	4288435809 (0xFF9C5661)
YUV	108.1840, -5.5137, 41.9346
Hunter-Lab	38.1336, 22.8722, 6.3724

Details

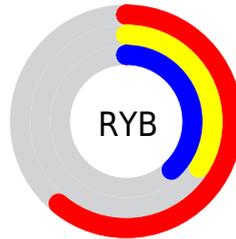
The CIELCh color **45, 30.849, 12.190** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **60, 24.858, 182.578**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 31.074, 12.673**, and **25, 30.770, 12.157** is the 20% darker color. If you saturate the color by 10%, you get **41, 38.188, 14.349**, and if you desaturate by 10%, it is **49, 23.522, 10.469**.

Distribution



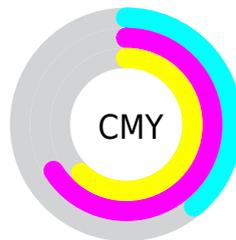
- Red (61%)
- Green (34%)
- Blue (38%)



- Red (61%)
- Yellow (34%)
- Blue (38%)



- Cyan (0%)
- Magenta (45%)
- Yellow (38%)
- Black (39%)



- Cyan (39%)
- Magenta (66%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 30.849, 12.190 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 45, 30.849, 12.190 by changing the saturation by 10% instead.

■ 45, 30.849, 12.190

■ 45, 30.849, 12.190

■ 100, 30.849,
12.190

■ 35, 30.849, 12.190

■ 65, 30.849, 12.190

■ 25, 30.849, 12.190

■ 75, 30.849, 12.190

■ 15, 30.849, 12.190

■ 85, 30.849, 12.190

■ 5, 30.849, 12.190

■ 95, 30.849, 12.190

■ 0, 30.849, 12.190

■ 45, 30.849, 12.190

■ 45, 30.849, 12.190

■ 41, 38.188, 14.349

■ 49, 23.522, 10.469

■ 38, 45.308, 17.070

■ 53, 16.386, 9.070

36, 51.950, 20.488

58, 9.546, 7.905

34, 57.912, 24.668

62, 3.055, 6.848

33, 63.118, 29.465

67, 3.072, 186.314

32, 65.700, 31.747

71, 8.846, 185.516

76, 14.287,
184.879

81, 19.423,
184.324

85, 24.283,
183.832

Harmonies

Complementary

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



45, 30.849, 12.190



60, 24.858, 182.578

Rectangle

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



45, 30.849, 12.190



45, 30.849, 62.190



45, 30.849, 192.190



45, 30.849, 242.190

Sweetspot

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



45, 30.847, 12.193



74, 10.214, 7.728



46, 45.819, 321.737



38, 7.246, 7.951



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



45, 30.847, 12.193



53, 46.301, 14.379



50, 25.694, 52.633



31, 3.606, 7.314



29, 61.382, 31.317



1, 4.589, 7.206

Inverse Universe

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



45, 30.847, 12.193



53, 46.301, 14.379



53, 19.801, 241.661



31, 3.606, 7.314



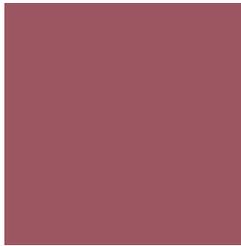
29, 61.382, 31.317



1, 4.589, 7.206

Previews

White Background



This preview shows how the CIELCh color 45, 30.849, 12.190 looks on a white background.

Color Contrast Check

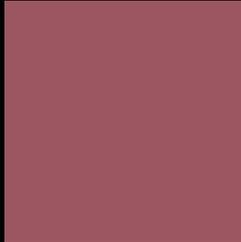
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 45, 30.849, 12.190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

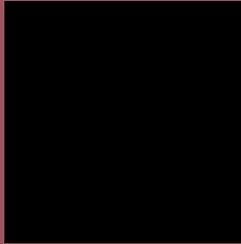
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 30.849, 12.190

Background



This preview shows how black text looks on a background with the CIELCh color 45, 30.849, 12.190.



This preview shows how white text looks on a background with the CIELCh color 45, 30.849, 12.190.

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

45, 30.849, 12.190

Protanopia

45, 1.459, 324.425

Deuteranopia

45, 9.917, 52.624



Tritanopia
45, 30.064, 17.230

Trichromacy



Original Color
45, 30.849, 12.190

Protanomaly
45, 11.384, 5.836

Deuteranomaly
45, 16.326, 25.617

Tritanomaly
45, 30.016, 16.117

Monochromacy



Original Color
45, 30.849, 12.190

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 10.839, 8.211

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 30.849, 12.190 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(156, 86, 97)` looks like.

```
.text, #text, p{  
    color:rgb(156, 86, 97)  
}
```

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(156, 86, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 86, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 30.849, 12.190 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(156, 86, 97) }
```

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

```
.border{ border-color:rgb(156, 86, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 86, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 86, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 86, 97);  
box-shadow:4px 4px 4px 4px rgb(156, 86,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 30.849, 12.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 86, 97) }
```

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

```
.background{ background-color: rgb(156, 86,  
97) }
```

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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