

Converting Colors

CIELCh(45, 39.957, 24.688)

Have a look what the booklet for
CIELCh(45, 39.957, 24.688) contains.

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Color

CIELCh(45, 39.882, 24.660)

Conversions

Conversions Part 1

Format	Color
Hex	A85051
RGB	168, 80, 81
RGB Percent	66%, 31%, 32%
CMY	0.3430, 0.6878, 0.6838
CMYK	0.00, 0.52, 0.52, 0.34
HSL	359°, 36%, 48%
HSV	359°, 52%, 66%
XYZ	20.3614, 14.5417, 9.4444
YIQ	106.4260, 52.1270, 18.9670

Conversions

Conversions Part 2

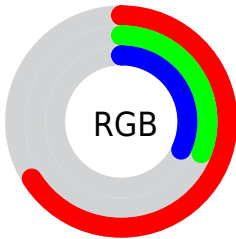
Format	Color
RYB	168, 80, 81
Decimal	11030609
CIELab	45.00, 36.24, 16.64
CIElCh	45, 39.882, 24.660
Yxy	14.5417, 0.4591, 0.3279
Android (android.graphics.Color)	4289220689 (0xFFA85051)
YUV	106.4260, -12.5350, 54.0004
Hunter-Lab	38.1336, 28.5761, 12.0093

Details

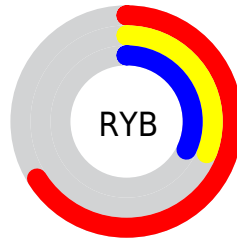
The CIELCh color **45, 39.882, 24.660** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **64, 27.531, 195.903**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 39.549, 25.138**, and **25, 39.902, 24.406** is the 20% darker color. If you saturate the color by 10%, you get **42, 48.508, 27.113**, and if you desaturate by 10%, it is **49, 31.380, 22.754**.

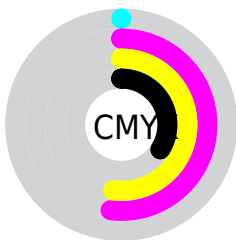
Distribution



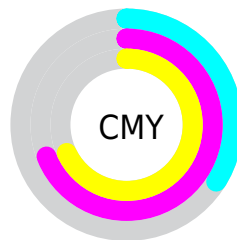
- Red (66%)
- Green (31%)
- Blue (32%)



- Red (66%)
- Yellow (31%)
- Blue (32%)



- Cyan (0%)
- Magenta (52%)
- Yellow (52%)
- Black (34%)



- Cyan (34%)
- Magenta (69%)
- Yellow (68%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 39.882, 24.660 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, 39.882, 24.660 by changing the saturation by 10% instead.

 45, 39.882, 24.660

 45, 39.882, 24.660

 100, 39.882,
24.660

 35, 39.882, 24.660

 65, 39.882, 24.660

 25, 39.882, 24.660

 75, 39.882, 24.660

 15, 39.882, 24.660

 85, 39.882, 24.660

 5, 39.882, 24.660

 95, 39.882, 24.660

 0, 39.882, 24.660

 45, 39.882, 24.660

 45, 39.882, 24.660

 42, 48.508, 27.113

 49, 31.380, 22.754

 39, 56.989, 30.166

 53, 23.211, 21.279

■ 36, 64.942, 33.714

■ 58, 15.494, 20.135

■ 35, 71.670, 37.236

■ 63, 8.285, 19.227

■ 35, 75.704, 39.383

■ 67, 1.589, 18.289

■ 72, 4.617, 198.149

■ 77, 10.374,
197.650

■ 82, 15.726,
197.275

■ 87, 20.719,
196.973

Harmonies

Complementary

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



45, 39.882, 24.660



64, 27.531, 195.903

Rectangle

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



45, 39.882, 24.660



45, 39.882, 74.660



45, 39.882, 204.660



45, 39.882, 254.660

Sweetspot

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



45, 39.880, 24.663



77, 13.281, 19.550



48, 57.624, 326.606



40, 9.106, 19.727



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



45, 39.880, 24.663



53, 60.473, 27.572



55, 32.627, 67.289



33, 3.723, 18.966



30, 68.609, 38.899



1, 6.574, 18.573

Inverse Universe

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



45, 39.880, 24.663



53, 60.473, 27.572



51, 27.600, 263.491



33, 3.723, 18.966



30, 68.609, 38.899



1, 6.574, 18.573

Previews

White Background



This preview shows how the CIELCh color 45, 39.882, 24.660 looks on a white background.

Color Contrast Check

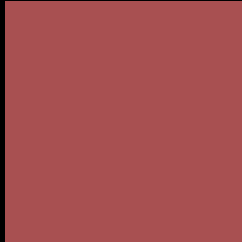
Large Text (above 18pt) WCAG AA ✓ Pass

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, 39.882, 24.660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

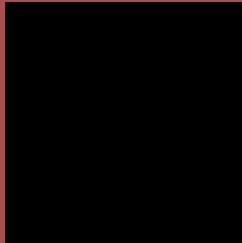
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 39.882, 24.660

Background



This preview shows how black text looks on a background with the CIELCh color 45, 39.882, 24.660.



This preview shows how white text looks on a background with the CIELCh color 45, 39.882, 24.660.

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, 39.882, 24.660

Protanopia

45, 8.574, 94.392

Deuteranopia

45, 19.151, 72.737



Tritanopia
45, 39.832, 21.550

Trichromacy



Original Color
45, 39.882, 24.660

Protanomaly
44, 16.726, 39.703

Deuteranomaly
45, 24.590, 44.275

Tritanomaly
45, 39.960, 22.371

Monochromacy



Original Color
45, 39.882, 24.660

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 13.898, 18.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 39.882, 24.660 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(168, 80, 81)` looks like.

```
.text, #text, p{  
    color:rgb(168, 80, 81)  
}
```

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(168, 80, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 80, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 39.882, 24.660 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(168, 80, 81) }
```

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

```
.border{ border-color:rgb(168, 80, 81) }
```

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

Here you see how a box with a 4 pixel rgb(168, 80, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 80, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 80, 81);  
box-shadow:4px 4px 4px 4px rgb(168, 80,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 39.882, 24.660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 80, 81) }
```

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

```
.background{ background-color: rgb(168, 80,  
81) }
```

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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