

Converting Colors

CIELCh(24, 39.683, 12.587)

Have a look what the booklet for
CIELCh(24, 39.683, 12.587) contains.

CIELCh(24, 39.667, 12.195)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(24, 39.667, 12.195)

Conversions

Conversions Part 1

Format	Color
Hex	6D172E
RGB	109, 23, 46
RGB Percent	43%, 9%, 18%
CMY	0.5712, 0.9083, 0.8185
CMYK	0.00, 0.79, 0.58, 0.57
HSL	344°, 65%, 26%
HSV	344°, 79%, 43%
XYZ	7.1618, 4.1002, 3.0269
YIQ	51.3360, 43.8730, 25.3850

Conversions

Conversions Part 2

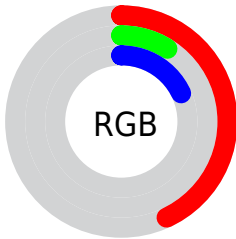
Format	Color
RYB	109, 23, 46
Decimal	7149358
CIELab	24.00, 38.77, 8.38
CIElCh	24, 39.667, 12.195
Yxy	4.1002, 0.5012, 0.2870
Android (android.graphics.Color)	4285339438 (0xFF6D172E)
YUV	51.3360, -2.6306, 50.5713
Hunter-Lab	20.2490, 27.6974, 5.3115

Details

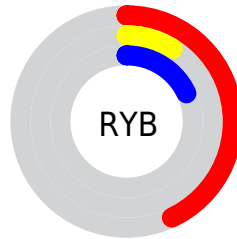
The CIELCh color **24, 39.667, 12.195** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **41, 31.229, 169.389**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 39.684, 12.749**, and **8, 30.266, 24.223** is the 20% darker color. If you saturate the color by 10%, you get **23, 43.250, 16.178**, and if you desaturate by 10%, it is **26, 35.377, 8.987**.

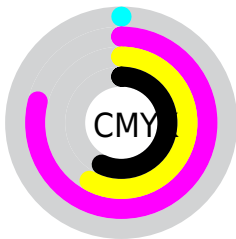
Distribution



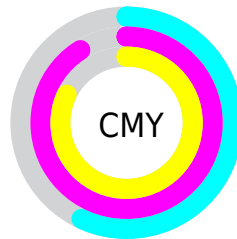
- Red (43%)
- Green (9%)
- Blue (18%)



- Red (43%)
- Yellow (9%)
- Blue (18%)



- Cyan (0%)
- Magenta (79%)
- Yellow (58%)
- Black (57%)



- Cyan (57%)
- Magenta (91%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 39.667, 12.195 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 24, 39.667, 12.195 by changing the saturation by 10% instead.

■ 24, 39.667, 12.195

■ 24, 39.667, 12.195

■ 100, 39.667,
12.195

■ 14, 39.667, 12.195

■ 44, 39.667, 12.195

■ 4, 39.667, 12.195

■ 54, 39.667, 12.195

■ 0, 39.667, 12.195

■ 64, 39.667, 12.195

■ 74, 39.667, 12.195

■ 84, 39.667, 12.195

■ 94, 39.667, 12.195

■ 24, 39.667, 12.195

■ 24, 39.667, 12.195

23, 43.250, 16.178

26, 35.377, 8.987

22, 46.503, 20.526

28, 30.527, 6.421

21, 46.989, 21.077

31, 25.317, 4.358

34, 19.947, 2.675

37, 14.577, 1.275

40, 9.314, 0.085

43, 4.225, 359.032

47, 0.656, 178.703

50, 5.317, 177.501

Harmonies

Complementary

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



24, 39.667, 12.195



41, 31.229, 169.389

Rectangle

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



24, 39.667, 12.195



24, 39.667, 62.195



24, 39.667, 192.195



24, 39.667, 242.195

Sweetspot

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



24, 39.665, 12.197



49, 15.110, 0.782



23, 55.551, 319.279



24, 10.357, 1.113



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



24, 39.665, 12.197



30, 55.253, 19.911



27, 38.918, 43.973



21, 2.708, 359.065



23, 49.527, 21.567



52, 87.155, 25.185

Inverse Universe

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



24, 39.665, 12.197



30, 55.253, 19.911



35, 21.544, 233.437



21, 2.708, 359.065



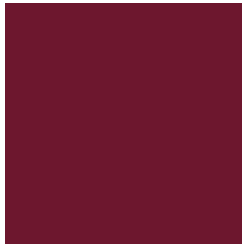
23, 49.527, 21.567



52, 87.155, 25.185

Previews

White Background



This preview shows how the CIELCh color 24, 39.667, 12.195 looks on a white background.

Color Contrast Check

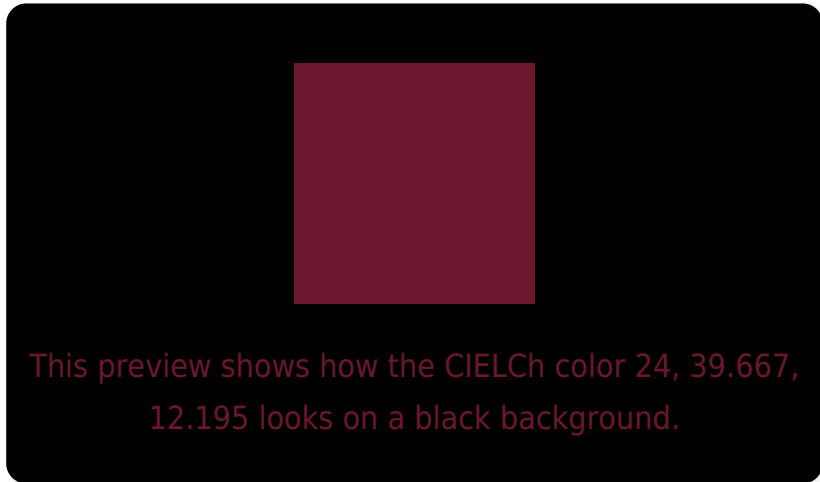
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

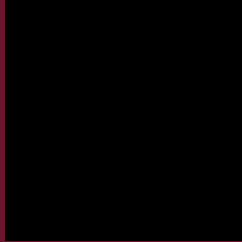
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 39.667, 12.195

Background



This preview shows how black text looks on a background with the CIELCh color 24, 39.667, 12.195.



This preview shows how white text looks on a background with the CIELCh color 24, 39.667, 12.195.

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

24, 39.667, 12.195

Protanopia

25, 2.639, 290.740

Deuteranopia

25, 11.729, 70.995



Tritanopia
24, 41.032, 29.741

Trichromacy



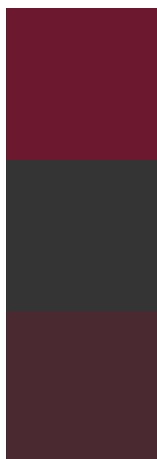
Original Color
24, 39.667, 12.195

Protanomaly
23, 16.041, 356.379

Deuteranomaly
23, 20.119, 23.896

Tritanomaly
24, 40.183, 23.650

Monochromacy



Original Color
24, 39.667, 12.195

Achromatopsia
22, 0.004, 296.813

Achromatomaly
21, 15.694, 3.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 39.667, 12.195 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(109, 23, 46)` looks like.

```
.text, #text, p{  
    color:rgb(109, 23, 46)  
}
```

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(109, 23, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 23, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 39.667, 12.195 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(109, 23, 46) }
```

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

```
.border{ border-color:rgb(109, 23, 46) }
```

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

Here you see how a box with a 4 pixel rgb(109, 23, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 23, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 23, 46);  
box-shadow:4px 4px 4px 4px rgb(109, 23,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 39.667, 12.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 23, 46) }
```

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

```
.background{ background-color: rgb(109, 23,  
46) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor