

Converting Colors

CIELCh(24, 39.678, 142.573)

Have a look what the booklet for
CIELCh(24, 39.678, 142.573)
contains.

CIELCh(24, 39.542, 142.303)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(24, 39.542, 142.303)

Conversions

Conversions Part 1

Format	Color
Hex	004311
RGB	0, 67, 17
RGB Percent	0%, 26%, 7%
CMY	0.9983, 0.7359, 0.9320
CMYK	0.99, 0.00, 0.74, 0.74
HSL	135°, 99%, 13%
HSV	135°, 99%, 26%
XYZ	2.1372, 4.1002, 1.2226
YIQ	41.2670, -23.8820, -29.7540

Conversions

Conversions Part 2

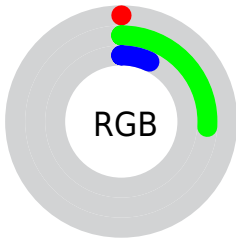
Format	Color
RYB	0, 53, 67
Decimal	17169
CIELab	24.00, -31.29, 24.18
CIELCh	24, 39.542, 142.303
Yxy	4.1002, 0.2865, 0.5496
Android (android.graphics.Color)	4278207249 (0xFF004311)
YUV	41.2670, -11.9636, -36.1912
Hunter-Lab	20.2490, -16.5956, 10.5943

Details

The CIELCh color **24, 39.542, 142.303** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **12, 37.171, 339.650**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 39.478, 142.425**, and **5, 13.016, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 39.732, 142.243**, and if you desaturate by 10%, it is **24, 36.556, 143.435**.

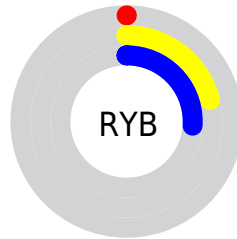
Distribution



Red (0%)

Green (26%)

Blue (7%)



Red (0%)

Yellow (21%)

Blue (26%)

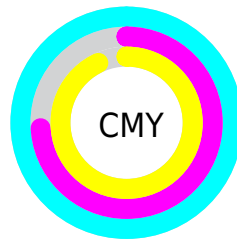


Cyan (99%)

Magenta (0%)

Yellow (74%)

Black (74%)



Cyan (100%)


Magenta (74%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 39.542, 142.303 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, 39.542, 142.303 by changing the saturation by 10% instead.

 24, 39.542,
142.303


 24, 39.542,
142.303

 100, 39.542,
142.303


 14, 39.542,
142.303


 44, 39.542,
142.303

 4, 39.542, 142.303

 54, 39.542,
142.303

 0, 39.542, 142.303

 64, 39.542,
142.303

 74, 39.542,
142.303

 84, 39.542,
142.303

 94, 39.542,

142.303

■ 24, 39.542,
142.303

■ 24, 39.542,
142.303

■ 24, 39.732,
142.243

■ 24, 36.556,
143.435

■ 24, 33.389,
144.888

■ 25, 29.858,
146.268

■ 25, 25.997,
147.513

■ 25, 21.878,
148.621

■ 26, 17.571,
149.601

■ 27, 13.145,
150.465

■ 27, 8.660, 151.227

■ 28, 4.166, 151.913

Harmonies

Complementary

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



24, 39.542, 142.303



12, 37.171, 339.650

Rectangle

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



24, 39.542, 142.303



24, 39.542, 192.303



24, 39.542, 322.303



24, 39.542, 12.303

Sweetspot

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



24, 39.542, 142.303



34, 16.573, 150.312



26, 37.977, 116.124



16, 11.125, 150.173



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



24, 39.542, 142.303



31, 48.064, 141.381



25, 24.478, 168.694



12, 2.446, 151.969



35, 52.299, 141.065



78, 99.903, 139.559

Inverse Universe

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



12, 37.171, 339.650



17, 44.000, 340.283



11, 32.822, 17.004



12, 2.456, 332.876



20, 47.412, 340.510



50, 86.326, 341.737

Previews

White Background



This preview shows how the CIELCh color 24, 39.542, 142.303 looks on a white background.

Color Contrast Check

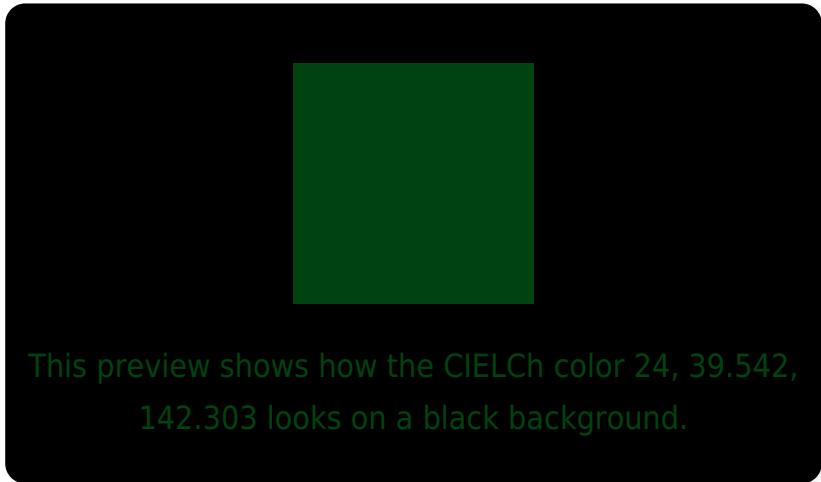
Large Text (above 18pt) WCAG AA ✓ Pass

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

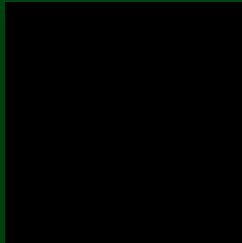
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 39.542, 142.303

Background



This preview shows how black text looks on a background with the CIELCh color 24, 39.542, 142.303.



This preview shows how white text looks on a background with the CIELCh color 24, 39.542, 142.303.

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, 39.542, 142.303

Protanopia

24, 26.884, 96.254

Deuteranopia

24, 23.350, 82.177



Tritanopia
24, 12.968, 212.357

Trichromacy



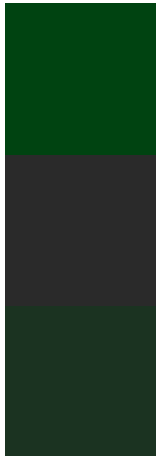
Original Color
24, 39.542, 142.303

Protanomaly
23, 29.358, 123.491

Deuteranomaly
23, 25.446, 120.104

Tritanomaly
24, 20.620, 167.225

Monochromacy



Original Color
24, 39.542, 142.303

Achromatopsia
17, 0.003, 296.813

Achromatomaly
19, 16.621, 149.016

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 39.542, 142.303 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(0, 67, 17)` looks like.

```
.text, #text, p{  
    color:rgb(0, 67, 17)  
}
```

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(0, 67, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 67, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 39.542, 142.303 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(0, 67, 17) }
```

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

```
.border{ border-color:rgb(0, 67, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 67, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 67, 17); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 67, 17); box-shadow:4px  
4px 4px 4px rgb(0, 67, 17) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 39.542, 142.303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 67, 17) }
```

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

```
.background{ background-color: rgb(0, 67,  
17) }
```

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