

Converting Colors

CIELCh(25, 45.132, 138.280)

Have a look what the booklet for
CIELCh(25, 45.132, 138.280)
contains.

CIELCh(25, 44.970, 138.040)	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>	26

Color

CIELCh(25, 44.970, 138.040)

Conversions

Conversions Part 1

Format	Color
Hex	004606
RGB	0, 70, 6
RGB Percent	0%, 27%, 2%
CMY	0.9992, 0.7249, 0.9758
CMYK	1.00, 0.00, 0.91, 0.72
HSL	125°, 99%, 14%
HSV	125°, 100%, 28%
XYZ	2.2368, 4.4155, 0.9114
YIQ	41.7740, -21.1760, -34.7440

Conversions

Conversions Part 2

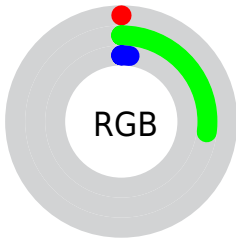
Format	Color
RYB	0, 64, 70
Decimal	17926
CIELab	25.00, -33.44, 30.07
CIELCh	25, 44.970, 138.040
Yxy	4.4155, 0.2957, 0.5838
Android (android.graphics.Color)	4278208006 (0xFF004606)
YUV	41.7740, -17.6366, -36.6358
Hunter-Lab	21.0130, -17.7721, 12.1376

Details

The CIELCh color **25, 44.970, 138.040** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **14, 42.890, 331.509**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 44.995, 137.891**, and **7, 16.758, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **25, 45.061, 138.019**, and if you desaturate by 10%, it is **25, 42.040, 138.803**.

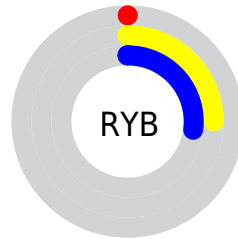
Distribution



Red (0%)

Green (27%)

Blue (2%)



Red (0%)

Yellow (25%)

Blue (27%)

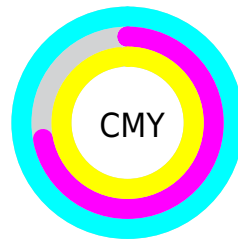


Cyan (100%)

Magenta (0%)

Yellow (91%)

Black (72%)



Cyan (100%)


Magenta (72%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 44.970, 138.040 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 25, 44.970, 138.040 by changing the saturation by 10% instead.

 25, 44.970,
138.040


 25, 44.970,
138.040

 100, 44.970,
138.040

 15, 44.970,
138.040


 45, 44.970,
138.040

 5, 44.970, 138.040

 55, 44.970,
138.040

 0, 44.970, 138.040

 65, 44.970,
138.040

 75, 44.970,
138.040

 85, 44.970,
138.040

 95, 44.970,

138.040

■ 25, 44.970,
138.040

■ 25, 44.970,
138.040

■ 25, 45.061,
138.019

■ 25, 42.040,
138.803

■ 25, 38.752,
139.930

■ 26, 34.862,
141.105

■ 26, 30.477,
142.224

■ 26, 25.721,
143.252

■ 27, 20.709,
144.174

■ 28, 15.539,
144.988

■ 28, 10.294,
145.701

■ 29, 5.043, 146.331

Harmonies

Complementary

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



25, 44.970, 138.040



14, 42.890, 331.509

Rectangle

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



25, 44.970, 138.040



25, 44.970, 188.040



25, 44.970, 318.040



25, 44.970, 8.040

Sweetspot

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



25, 44.970, 138.041



36, 19.620, 144.870



28, 38.242, 107.493



17, 13.185, 144.723



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



25, 44.970, 138.041



33, 54.739, 137.531



25, 30.458, 156.528



14, 2.940, 146.395



36, 58.054, 137.407



79, 108.086, 136.617

Inverse Universe

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



14, 42.890, 331.509



20, 51.478, 331.667



12, 33.281, 4.138



13, 2.946, 327.231



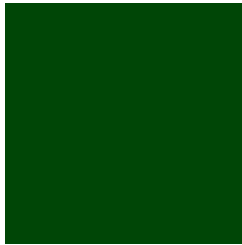
22, 54.399, 331.706



53, 98.903, 331.990

Previews

White Background



This preview shows how the CIELCh color 25, 44.970, 138.040 looks on a white background.

Color Contrast Check

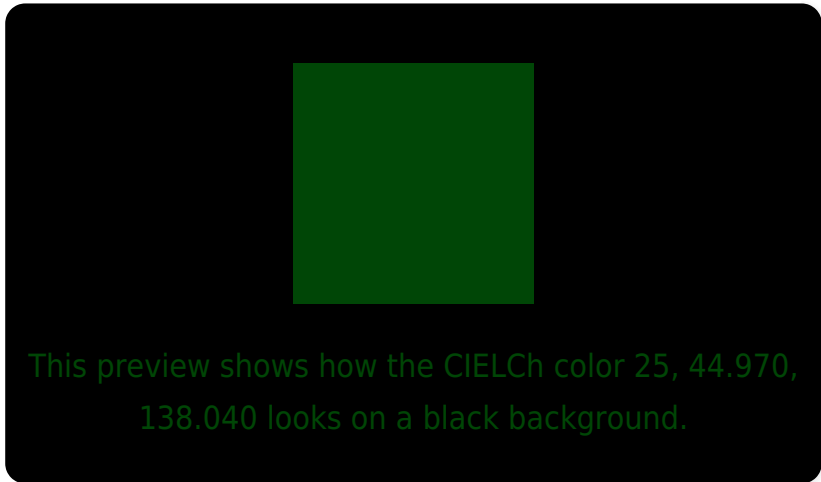
Large Text (above 18pt) WCAG AA ✓ Pass

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

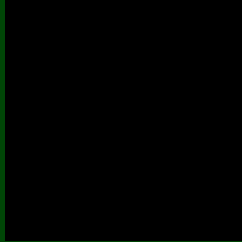
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 44.970, 138.040

Background



This preview shows how black text looks on a background with the CIELCh color 25, 44.970, 138.040.



This preview shows how white text looks on a background with the CIELCh color 25, 44.970, 138.040.

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
25, 44.970, 138.040

Deuteranopia
25, 27.644, 83.746

Tritanopia
25, 13.307, 214.901

Trichromacy



Original Color
25, 44.970, 138.040

Deuteranomaly
24, 30.847, 117.534

Tritanomaly
25, 22.996, 160.956

Monochromacy



Original Color
25, 44.970, 138.040

Achromatopsia
17, 0.003, 296.813

Achromatomaly
19, 19.509, 143.515

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 44.970, 138.040 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, 70, 6)` looks like.

```
.text, #text, p{  
    color:rgb(0, 70, 6)  
}
```

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, 70, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 70, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 44.970, 138.040 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, 70, 6) }
```

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

```
.border{ border-color:rgb(0, 70, 6) }
```

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

Here you see how a box with a 4 pixel rgb(0, 70, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 70, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 70, 6); box-shadow:4px  
4px 4px 4px rgb(0, 70, 6) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 44.970, 138.040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 70, 6) }
```

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

```
.background{ background-color: rgb(0, 70,  
6) }
```

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