

Converting Colors

CIELCh(24, 43.261, 147.333)

Have a look what the booklet for
CIELCh(24, 43.261, 147.333)
contains.

CIELCh(25, 39.820, 142.855)	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(25, 39.820, 142.855)

Conversions

Conversions Part 1

Format	Color
Hex	014614
RGB	1, 70, 20
RGB Percent	0%, 27%, 8%
CMY	0.9957, 0.7262, 0.9225
CMYK	0.98, 0.00, 0.72, 0.73
HSL	136°, 97%, 14%
HSV	136°, 98%, 27%
XYZ	2.3173, 4.4155, 1.3813
YIQ	43.6690, -25.0740, -30.1780

Conversions

Conversions Part 2

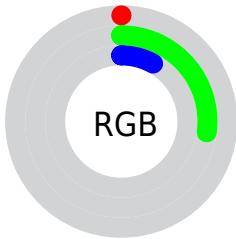
Format	Color
R_{YB}	1, 55, 70
Decimal	83476
CIE _{Lab}	25.00, -31.74, 24.04
CIE _{LCh}	25, 39.820, 142.855
Yxy	4.4155, 0.2856, 0.5442
Android (android.graphics.Color)	4278273556 (0xFF014614)
YUV	43.6690, -11.6688, -37.4207
Hunter-Lab	21.0130, -17.0880, 10.8117

Details

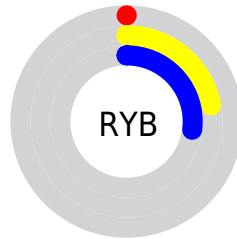
The CIELCh color **25, 39.820, 142.855** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **13, 37.353, 340.781**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 39.566, 142.893**, and **7, 16.758, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **25, 40.282, 142.695**, and if you desaturate by 10%, it is **25, 36.787, 144.099**.

Distribution



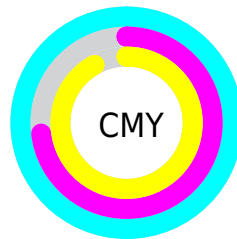
- Red (0%)
- Green (27%)
- Blue (8%)



- Red (0%)
- Yellow (22%)
- Blue (27%)



- Cyan (98%)
- Magenta (0%)
- Yellow (72%)
- Black (73%)





- Cyan (100%)
- Magenta (73%)
- Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 39.820, 142.855 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, 39.820, 142.855 by changing the saturation by 10% instead.

 25, 39.820,
142.855


 25, 39.820,
142.855

 100, 39.820,
142.855


 15, 39.820,
142.855


 45, 39.820,
142.855


 5, 39.820, 142.855

 55, 39.820,
142.855

 0, 39.820, 142.855

 65, 39.820,
142.855

 75, 39.820,
142.855

 85, 39.820,
142.855

 95, 39.820,

142.855

■ 25, 39.820,
142.855

■ 25, 39.820,
142.855

■ 25, 40.282,
142.695

■ 25, 36.787,
144.099

■ 25, 33.557,
145.608

■ 26, 29.949,
147.007

■ 26, 26.012,
148.264

■ 27, 21.818,
149.381

■ 27, 17.437,
150.368

■ 28, 12.938,
151.237

■ 28, 8.381, 152.006

■ 29, 3.818, 152.702

Harmonies

Complementary

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



25, 39.820, 142.855



13, 37.353, 340.781

Rectangle

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



25, 39.820, 142.855



25, 39.820, 192.855



25, 39.820, 322.855



25, 39.820, 12.855

Sweetspot

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



25, 39.820, 142.855



36, 17.124, 151.003



27, 38.917, 116.912



17, 11.507, 150.844



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, 39.820, 142.855



33, 49.544, 141.782



26, 24.498, 170.126



14, 2.570, 152.689



36, 52.659, 141.558



79, 99.591, 140.057

Inverse Universe

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



13, 37.353, 340.781



19, 45.137, 341.602



12, 33.581, 18.614



13, 2.581, 333.634



21, 47.642, 341.780



51, 85.900, 343.105

Previews

White Background



This preview shows how the CIE LCh color 25, 39.820, 142.855 looks on a white background.

Color Contrast Check

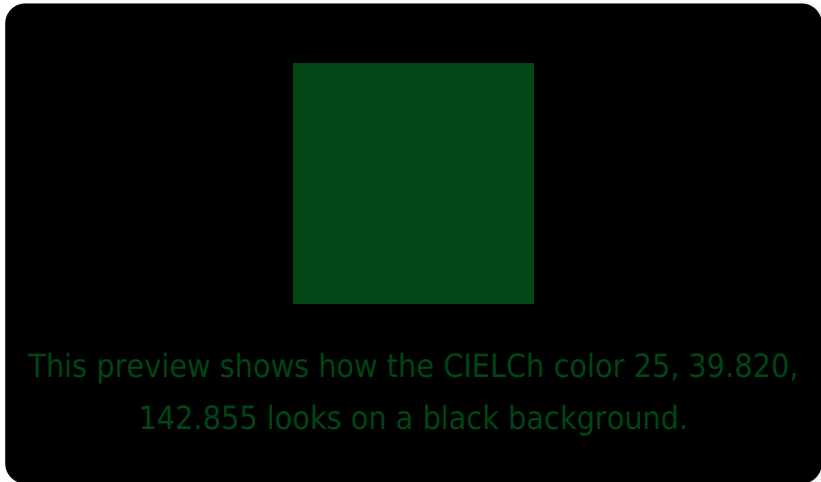
Large Text (above 18pt) WCAG AA ✓ Pass

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

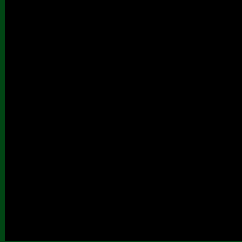
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 39.820, 142.855

Background



This preview shows how black text looks on a background with the CIELCh color 25, 39.820, 142.855.



This preview shows how white text looks on a background with the CIELCh color 25, 39.820, 142.855.

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, 39.832, 142.947

Protanopia
25, 26.869, 96.436

Deuteranopia
25, 22.700, 81.983



Tritanopia
25, 13.255, 211.942

Trichromacy



Original Color
25, 39.832, 142.947

Protanomaly
24, 30.135, 124.802

Deuteranomaly
24, 25.653, 122.256

Tritanomaly
25, 20.843, 167.736

Monochromacy



Original Color
25, 39.832, 142.947

Achromatopsia
18, 0.003, 296.813

Achromatomaly
20, 16.813, 150.060

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 39.820, 142.855 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(1, 70, 20)` looks like.

```
.text, #text, p{  
    color:rgb(1, 70, 20)  
}
```

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(1, 70, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 70, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 39.820, 142.855 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(1, 70, 20) }
```

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

```
.border{ border-color:rgb(1, 70, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 70, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 70, 20); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 70, 20); box-shadow:4px  
4px 4px 4px rgb(1, 70, 20) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 39.820, 142.855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 70, 20) }
```

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

```
.background{ background-color: rgb(1, 70,  
20) }
```

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