

Converting Colors

CIELCh(24, 49.981, 155.929)

Have a look what the booklet for
CIELCh(24, 49.981, 155.929)
contains.

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Color

CIELCh(25, 38.809, 144.865)

Conversions

Conversions Part 1

Format	Color
Hex	004617
RGB	0, 70, 23
RGB Percent	0%, 27%, 9%
CMY	1.0000, 0.7260, 0.9099
CMYK	1.00, 0.00, 0.67, 0.73
HSL	140°, 100%, 14%
HSV	140°, 100%, 27%
XYZ	2.3174, 4.4155, 1.5388
YIQ	43.7120, -26.6330, -29.4570

Conversions

Conversions Part 2

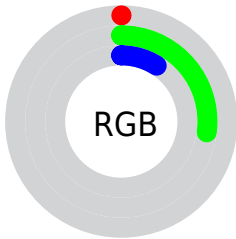
Format	Color
RYB	0, 53, 70
Decimal	17943
CIELab	25.00, -31.74, 22.33
CIELCh	25, 38.809, 144.865
Yxy	4.4155, 0.2802, 0.5338
Android (android.graphics.Color)	4278208023 (0xFF004617)
YUV	43.7120, -10.2110, -38.3354
Hunter-Lab	21.0130, -17.0868, 10.3672

Details

The CIELCh color **25, 38.809, 144.865** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **13, 36.467, 344.483**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 38.400, 144.707**, and **7, 16.758, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **25, 38.623, 144.595**, and if you desaturate by 10%, it is **25, 35.672, 145.872**.

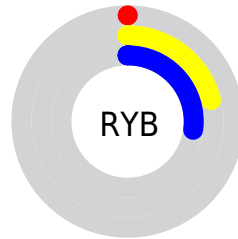
Distribution



Red (0%)

Green (27%)

Blue (9%)



Red (0%)

Yellow (21%)

Blue (27%)

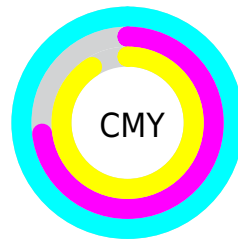


Cyan (100%)

Magenta (0%)

Yellow (67%)

Black (73%)



Cyan (100%)


Magenta (73%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 38.809, 144.865 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, 38.809, 144.865 by changing the saturation by 10% instead.

 25, 38.809,
144.865


 25, 38.809,
144.865

 100, 38.809,
144.865


 15, 38.809,
144.865


 45, 38.809,
144.865


 5, 38.809, 144.865

 55, 38.809,
144.865

 0, 38.809, 144.865

 65, 38.809,
144.865

 75, 38.809,
144.865

 85, 38.809,
144.865

 95, 38.809,

144.865

■ 25, 38.809,
144.865

■ 25, 38.809,
144.865

■ 25, 38.623,
144.595

■ 25, 35.672,
145.872

■ 25, 32.604,
147.435

■ 26, 29.203,
148.901

■ 26, 25.489,
150.214

■ 27, 21.520,
151.381

■ 27, 17.361,
152.413

■ 28, 13.076,
153.326

■ 28, 8.721, 154.137

■ 29, 4.348, 154.870

Harmonies

Complementary

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



25, 38.809, 144.865



13, 36.467, 344.483

Rectangle

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



25, 38.809, 144.865



25, 38.809, 194.865



25, 38.809, 324.865



25, 38.809, 14.865

Sweetspot

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



25, 38.623, 144.595



36, 16.396, 153.218



27, 39.885, 119.209



17, 11.016, 153.054



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, 38.623, 144.595



33, 47.515, 143.632



26, 23.396, 174.623



14, 2.465, 154.968



36, 50.512, 143.393



79, 95.733, 141.765

Inverse Universe

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



13, 36.467, 344.483



18, 43.573, 345.388



11, 34.494, 21.575



13, 2.478, 335.961



20, 45.985, 345.625



50, 82.836, 347.395

Previews

White Background



This preview shows how the CIELCh color 25, 38.809, 144.865 looks on a white background.

Color Contrast Check

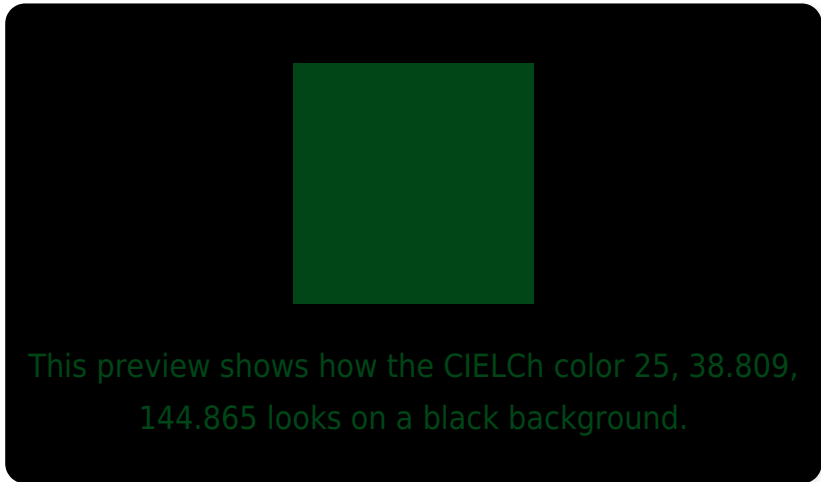
Large Text (above 18pt) WCAG AA ✓ Pass

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

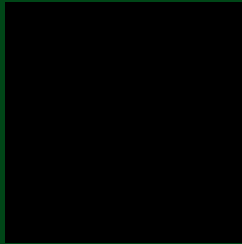
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 38.809, 144.865

Background



This preview shows how black text looks on a background with the CIELCh color 25, 38.809, 144.865.



This preview shows how white text looks on a background with the CIELCh color 25, 38.809, 144.865.

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](#).

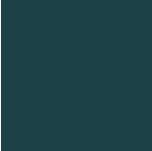
Dichromacy



Original Color
25, 38.683, 144.582

Protanopia
25, 25.312, 96.313

Deuteranopia
25, 21.586, 81.077



Tritanopia
25, 13.552, 214.541

Trichromacy



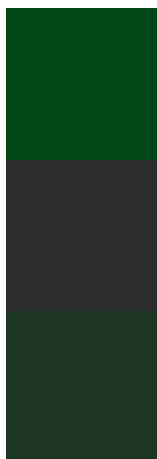
Original Color
25, 38.683, 144.582

Protanomaly
24, 28.679, 126.052

Deuteranomaly
24, 24.030, 123.659

Tritanomaly
25, 20.246, 171.050

Monochromacy



Original Color
25, 38.683, 144.582

Achromatopsia
18, 0.003, 296.813

Achromatomaly
20, 16.299, 151.590

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 38.809, 144.865 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, 23)` looks like.

```
.text, #text, p{  
    color:rgb(0, 70, 23)  
}
```

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, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 70, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 38.809, 144.865 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, 23) }
```

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

```
.border{ border-color:rgb(0, 70, 23) }
```

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, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 70, 23); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 70, 23); box-shadow:4px  
4px 4px 4px rgb(0, 70, 23) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 38.809, 144.865 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, 23) }
```

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

```
.background{ background-color: rgb(0, 70,  
23) }
```

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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