

Converting Colors

CIELCh(25, 31.198, 159.983)

Have a look what the booklet for
CIELCh(25, 31.198, 159.983)
contains.

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Color

CIELCh(25, 29.934, 157.513)

Conversions

Conversions Part 1

Format	Color
Hex	004529
RGB	0, 69, 41
RGB Percent	0%, 27%, 16%
CMY	1.0000, 0.7292, 0.8387
CMYK	1.00, 0.00, 0.40, 0.73
HSL	156°, 100%, 14%
HSV	156°, 100%, 27%
XYZ	2.5186, 4.4155, 2.8296
YIQ	45.1770, -32.1360, -23.3360

Conversions

Conversions Part 2

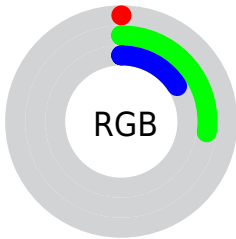
Format	Color
RYB	0, 43, 69
Decimal	17705
CIELab	25.00, -27.66, 11.45
CIELCh	25, 29.934, 157.513
Yxy	4.4155, 0.2580, 0.4522
Android (android.graphics.Color)	4278207785 (0xFF004529)
YUV	45.1770, -2.0593, -39.6202
Hunter-Lab	21.0130, -15.3777, 6.7251

Details

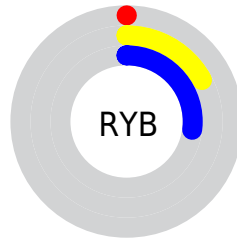
The CIELCh color **25, 29.934, 157.513** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **12, 32.989, 5.138**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 29.971, 156.921**, and **7, 16.758, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **25, 29.770, 157.306**, and if you desaturate by 10%, it is **25, 27.556, 158.727**.

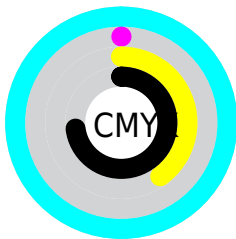
Distribution



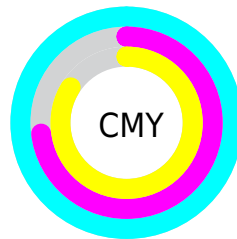
- Red (0%)
- Green (27%)
- Blue (16%)



- Red (0%)
- Yellow (17%)
- Blue (27%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (73%)





- Cyan (100%)
- Magenta (73%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 29.934, 157.513 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, 29.934, 157.513 by changing the saturation by 10% instead.

 25, 29.934,
157.513


 25, 29.934,
157.513

 100, 29.934,
157.513


 15, 29.934,
157.513


 45, 29.934,
157.513


 5, 29.934, 157.513

 55, 29.934,
157.513

 0, 29.934, 157.513

 65, 29.934,
157.513

 75, 29.934,
157.513

 85, 29.934,
157.513

 95, 29.934,

157.513

■ 25, 29.934,
157.513

■ 25, 29.934,
157.513

■ 25, 29.770,
157.306

■ 25, 27.556,
158.727

■ 25, 25.338,
160.363

■ 26, 22.857,
161.883

■ 26, 20.096,
163.251

■ 26, 17.093,
164.483

■ 27, 13.890,
165.598

■ 27, 10.535,
166.612

■ 28, 7.074, 167.544

■ 29, 3.549, 168.422

Harmonies

Complementary

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



25, 29.934, 157.513



12, 32.989, 5.138

Rectangle

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



25, 29.934, 157.513



25, 29.934, 207.513



25, 29.934, 337.513



25, 29.934, 27.513

Sweetspot

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



25, 29.770, 157.306



36, 13.023, 166.496



25, 42.671, 128.998



17, 8.943, 166.300



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, 29.770, 157.306



33, 36.048, 156.335



24, 17.830, 209.205



14, 2.034, 168.542



37, 39.116, 155.984



80, 73.868, 154.176

Inverse Universe

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



12, 32.989, 5.138



17, 39.251, 7.189



12, 34.292, 32.809



13, 2.066, 349.773



19, 42.333, 7.949



48, 77.709, 12.023

Previews

White Background



This preview shows how the CIELCh color 25, 29.934, 157.513 looks on a white background.

Color Contrast Check

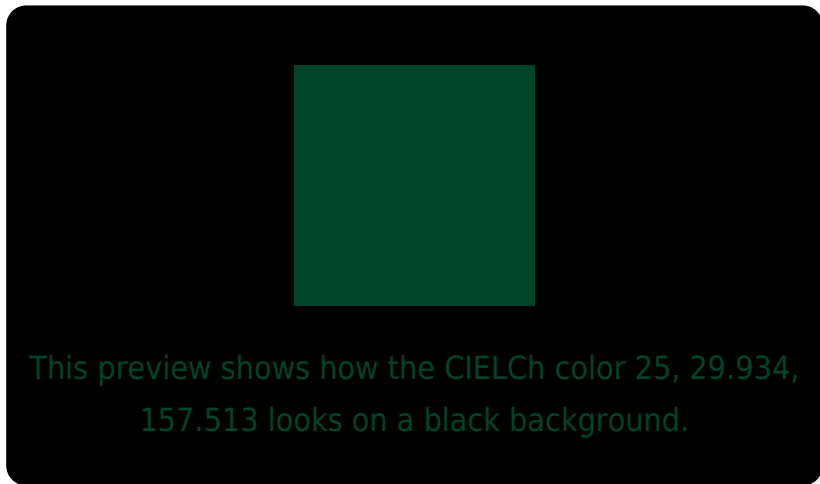
Large Text (above 18pt) WCAG AA ✓ Pass

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

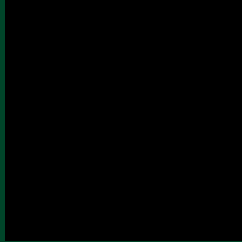
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 29.934, 157.513

Background



This preview shows how black text looks on a background with the CIELCh color 25, 29.934, 157.513.



This preview shows how white text looks on a background with the CIELCh color 25, 29.934, 157.513.

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, 29.804, 157.216

Protanopia

25, 15.134, 97.299

Deuteranopia

25, 11.154, 69.278



Tritanopia
25, 14.478, 210.501

Trichromacy



Original Color
25, 29.804, 157.216

Protanomaly
24, 18.773, 140.079

Deuteranomaly
24, 14.053, 139.933

Tritanomaly
25, 18.551, 181.910

Monochromacy



Original Color
25, 29.804, 157.216

Achromatopsia
18, 0.003, 296.813

Achromatomaly
20, 12.961, 165.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 29.934, 157.513 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, 69, 41)` looks like.

```
.text, #text, p{  
    color:rgb(0, 69, 41)  
}
```

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, 69, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 69, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 29.934, 157.513 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, 69, 41) }
```

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

```
.border{ border-color:rgb(0, 69, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 69, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 69, 41); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 69, 41); box-shadow:4px  
4px 4px 4px rgb(0, 69, 41) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 29.934, 157.513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 69, 41) }
```

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

```
.background{ background-color: rgb(0, 69,  
41) }
```

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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