

Converting Colors

CIELCh(23, 49.491, 165.138)

Have a look what the booklet for
CIELCh(23, 49.491, 165.138)
contains.

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Color

CIELCh(25, 33.090, 151.603)

Conversions

Conversions Part 1

Format	Color
Hex	004522
RGB	0, 69, 34
RGB Percent	0%, 27%, 13%
CMY	0.9984, 0.7282, 0.8655
CMYK	0.99, 0.00, 0.51, 0.73
HSL	149°, 99%, 14%
HSV	149°, 99%, 27%
XYZ	2.4458, 4.4155, 2.2586
YIQ	44.3790, -29.8890, -25.5130

Conversions

Conversions Part 2

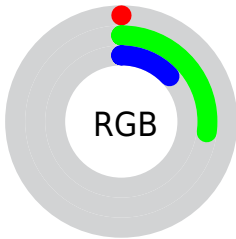
Format	Color
R_{YB}	0, 46, 69
Decimal	17698
CIE _{Lab}	25.00, -29.11, 15.74
CIE _{LCh}	25, 33.090, 151.603
Yxy	4.4155, 0.2682, 0.4842
Android (android.graphics.Color)	4278207778 (0xFF004522)
YUV	44.3790, -5.1168, -38.9204
Hunter-Lab	21.0130, -15.9961, 8.3363

Details

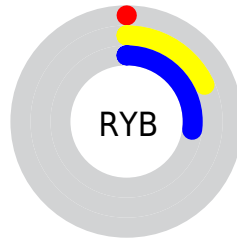
The CIELCh color **25, 33.090, 151.603** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **12, 33.546, 356.320**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 33.009, 151.718**, and **7, 16.758, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **25, 33.241, 151.528**, and if you desaturate by 10%, it is **25, 30.531, 153.031**.

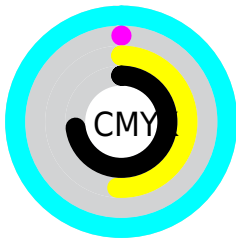
Distribution



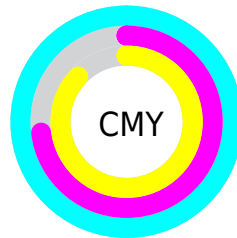
- Red (0%)
- Green (27%)
- Blue (13%)



- Red (0%)
- Yellow (18%)
- Blue (27%)



- Cyan (99%)
- Magenta (0%)
- Yellow (51%)
- Black (73%)





- Cyan (100%)
- Magenta (73%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 33.090, 151.603 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, 33.090, 151.603 by changing the saturation by 10% instead.

 25, 33.090,
151.603


 25, 33.090,
151.603

 100, 33.090,
151.603


 15, 33.090,
151.603


 45, 33.090,
151.603


 5, 33.090, 151.603

 55, 33.090,
151.603

 0, 33.090, 151.603

 65, 33.090,
151.603

 75, 33.090,
151.603

 85, 33.090,
151.603

 95, 33.090,

151.603

■ 25, 33.090,
151.603

■ 25, 33.090,
151.603

■ 25, 33.241,
151.528

■ 25, 30.531,
153.031

■ 25, 27.934,
154.683

■ 26, 25.056,
156.205

■ 26, 21.900,
157.567

■ 26, 18.510,
158.785

■ 27, 14.935,
159.874

■ 27, 11.228,
160.854

■ 28, 7.437, 161.742

■ 29, 3.606, 162.568

Harmonies

Complementary

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



25, 33.090, 151.603



12, 33.546, 356.320

Rectangle

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



25, 33.090, 151.603



25, 33.090, 201.603



25, 33.090, 331.603



25, 33.090, 21.603

Sweetspot

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



25, 33.090, 151.603



35, 14.111, 160.689



26, 41.389, 125.844



17, 9.698, 160.499



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, 33.090, 151.603



33, 40.226, 150.560



26, 19.791, 194.138



14, 2.187, 162.632



36, 43.684, 150.206



80, 82.806, 148.398

Inverse Universe

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



12, 33.546, 356.320



17, 39.782, 357.990



11, 35.577, 28.524



13, 2.210, 343.777



20, 42.818, 358.585



49, 77.625, 1.827

Previews

White Background



This preview shows how the CIELCh color 25, 33.090, 151.603 looks on a white background.

Color Contrast Check

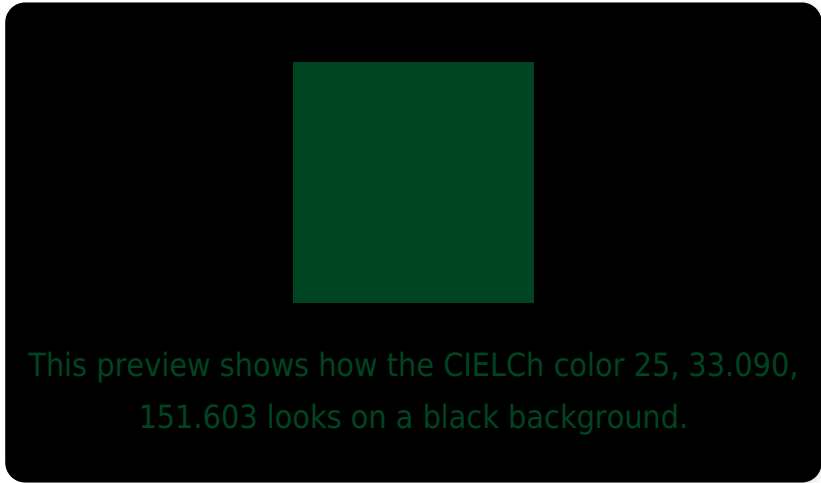
Large Text (above 18pt) WCAG AA ✓ Pass

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

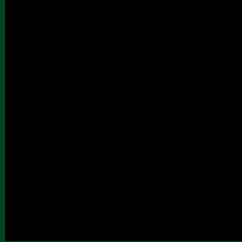
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 33.090, 151.603

Background



This preview shows how black text looks on a background with the CIELCh color 25, 33.090, 151.603.



This preview shows how white text looks on a background with the CIELCh color 25, 33.090, 151.603.

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

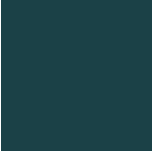
25, 33.090, 151.603

Protanopia

25, 18.916, 96.683

Deuteranopia

25, 15.350, 76.993



Tritanopia
25, 13.791, 214.202

Trichromacy



Original Color
25, 33.090, 151.603

Protanomaly
24, 22.382, 132.906

Deuteranomaly
24, 17.825, 130.840

Tritanomaly
25, 18.997, 178.042

Monochromacy



Original Color
25, 33.090, 151.603

Achromatopsia
18, 0.003, 296.813

Achromatomaly
20, 14.298, 158.779

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 33.090, 151.603 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, 34)` looks like.

```
.text, #text, p{  
    color:rgb(0, 69, 34)  
}
```

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, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 69, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 33.090, 151.603 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, 34) }
```

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

```
.border{ border-color:rgb(0, 69, 34) }
```

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, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 69, 34); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 69, 34); box-shadow:4px  
4px 4px 4px rgb(0, 69, 34) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 33.090, 151.603 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, 34) }
```

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

```
.background{ background-color: rgb(0, 69,  
34) }
```

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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