

Converting Colors

CIELCh(24, 34.144, 172.750)

Have a look what the booklet for
CIELCh(24, 34.144, 172.750)
contains.

CIELCh(25, 25.753, 166.419)	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, 25.753, 166.419)

Conversions

Conversions Part 1

Format	Color
Hex	004432
RGB	0, 68, 50
RGB Percent	0%, 27%, 20%
CMY	1.0000, 0.7314, 0.8058
CMYK	1.00, 0.00, 0.28, 0.73
HSL	163°, 100%, 13%
HSV	163°, 100%, 27%
XYZ	2.6541, 4.4155, 3.6764
YIQ	45.6160, -34.7500, -20.0140

Conversions

Conversions Part 2

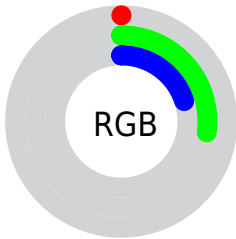
Format	Color
RYB	0, 39, 68
Decimal	17458
CIELab	25.00, -25.03, 6.05
CIELCh	25, 25.753, 166.419
Yxy	4.4155, 0.2470, 0.4109
Android (android.graphics.Color)	4278207538 (0xFF004432)
YUV	45.6160, 2.1613, -40.0052
Hunter-Lab	21.0130, -14.2274, 4.3359

Details

The CIELCh color **25, 25.753, 166.419** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **11, 33.243, 15.551**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 25.386, 167.008**, and **7, 15.772, 146.918** is the 20% darker color. If you saturate the color by 10%, you get **25, 25.661, 166.322**, and if you desaturate by 10%, it is **25, 23.915, 167.648**.

Distribution



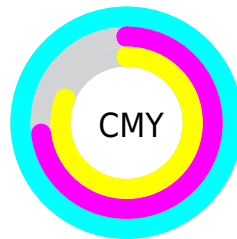
- Red (0%)
- Green (27%)
- Blue (20%)



- Red (0%)
- Yellow (15%)
- Blue (27%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (73%)





- Cyan (100%)
- Magenta (73%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 25.753, 166.419 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, 25.753, 166.419 by changing the saturation by 10% instead.

 25, 25.753,
166.419


 25, 25.753,
166.419

 100, 25.753,
166.419


 15, 25.753,
166.419


 45, 25.753,
166.419


 5, 25.753, 166.419

 55, 25.753,
166.419

 0, 25.753, 166.419

 65, 25.753,
166.419

 75, 25.753,
166.419

 85, 25.753,
166.419

 95, 25.753,

166.419

■ 25, 25.753,
166.419

■ 25, 25.753,
166.419

■ 25, 25.661,
166.322

■ 25, 23.915,
167.648

■ 25, 22.172,
169.146

■ 26, 20.163,
170.542

■ 26, 17.863,
171.810

■ 26, 15.302,
172.968

■ 27, 12.519,
174.032

■ 27, 9.555, 175.019

■ 28, 6.454, 175.944

■ 28, 3.256, 176.837

Harmonies

Complementary

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



25, 25.753, 166.419



11, 33.243, 15.551

Rectangle

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



25, 25.753, 166.419



25, 25.753, 216.419



25, 25.753, 346.419



25, 25.753, 36.419

Sweetspot

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



25, 25.661, 166.322



36, 11.882, 174.900



25, 43.900, 132.250



17, 8.150, 174.708



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, 25.661, 166.322



33, 31.111, 165.415



20, 17.019, 234.145



12, 1.764, 176.977



36, 33.059, 165.170



80, 62.562, 163.451

Inverse Universe

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



11, 33.243, 15.551



17, 40.271, 18.573



13, 32.022, 39.149



12, 1.807, 358.206



18, 42.769, 19.249



47, 80.951, 23.960

Previews

White Background



This preview shows how the CIELCh color 25, 25.753, 166.419 looks on a white background.

Color Contrast Check

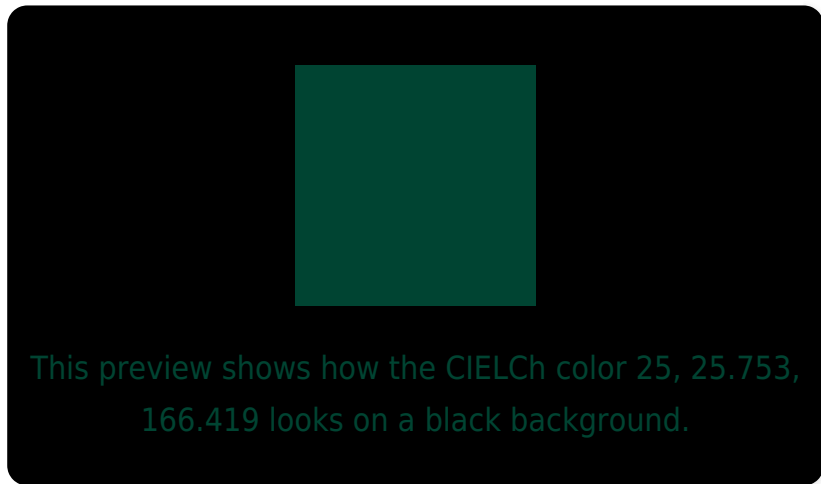
Large Text (above 18pt) WCAG AA ✓ Pass

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, 25.753, 166.419

Background



This preview shows how black text looks on a background with the CIELCh color 25, 25.753, 166.419.



This preview shows how white text looks on a background with the CIELCh color 25, 25.753, 166.419.

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, 25.176, 167.345

Protanopia

25, 9.987, 96.717

Deuteranopia

25, 6.237, 58.891



Tritanopia
25, 14.917, 210.043

Trichromacy



Original Color
25, 25.176, 167.345

Protanomaly
24, 14.553, 150.778

Deuteranomaly
24, 11.255, 157.335

Tritanomaly
25, 17.911, 187.990

Monochromacy



Original Color
25, 25.176, 167.345

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 11.795, 173.362

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 25.753, 166.419 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, 68, 50)` looks like.

```
.text, #text, p{  
    color:rgb(0, 68, 50)  
}
```

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, 68, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 68, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 25.753, 166.419 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, 68, 50) }
```

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

```
.border{ border-color:rgb(0, 68, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 68, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 68, 50); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 68, 50); box-shadow:4px  
4px 4px 4px rgb(0, 68, 50) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 25.753, 166.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 68, 50) }
```

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

```
.background{ background-color: rgb(0, 68,  
50) }
```

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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