

Converting Colors

CIELCh(25, 13.601, 131.585)

Have a look what the booklet for
CIELCh(25, 13.601, 131.585)
contains.

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Color

CIELCh(25, 13.638, 132.337)

Conversions

Conversions Part 1

Format	Color
Hex	333F2C
RGB	51, 63, 44
RGB Percent	20%, 25%, 17%
CMY	0.8007, 0.7536, 0.8281
CMYK	0.19, 0.00, 0.30, 0.75
HSL	98°, 18%, 21%
HSV	98°, 30%, 25%
XYZ	3.5758, 4.4155, 3.0302
YIQ	57.2460, -1.0530, -8.4530

Conversions

Conversions Part 2

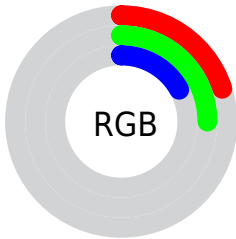
Format	Color
R_{YB}	44, 63, 56
Decimal	3358508
CIE Lab	25.00, -9.19, 10.08
CIE LCh	25, 13.638, 132.337
Yxy	4.4155, 0.3244, 0.4006
Android (android.graphics.Color)	4281548588 (0xFF333F2C)
YUV	57.2460, -6.5303, -5.4777
Hunter-Lab	21.0130, -6.3971, 6.1592

Details

The CIELCh color **25, 13.638, 132.337** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 13.988, 314.668**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 13.633, 132.338**, and **5, 11.426, 138.742** is the 20% darker color. If you saturate the color by 10%, you get **25, 18.104, 131.894**, and if you desaturate by 10%, it is **25, 9.126, 132.767**.

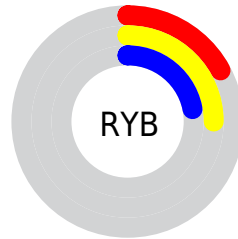
Distribution



Red (20%)

Green (25%)

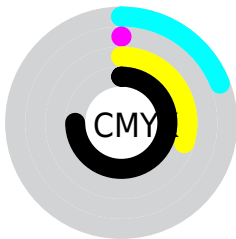
Blue (17%)



Red (17%)

Yellow (25%)

Blue (22%)

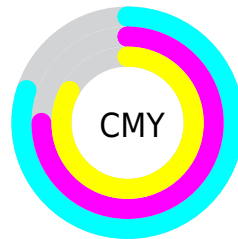


Cyan (19%)

Magenta (0%)

Yellow (30%)

Black (75%)



Cyan (80%)


Magenta (75%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 13.638, 132.337 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, 13.638, 132.337 by changing the saturation by 10% instead.

 25, 13.638,
132.337


 25, 13.638,
132.337

 100, 13.638,
132.337


 15, 13.638,
132.337


 45, 13.638,
132.337


 5, 13.638, 132.337

 55, 13.638,
132.337

 0, 13.638, 132.337

 65, 13.638,
132.337

 75, 13.638,
132.337

 85, 13.638,
132.337

 95, 13.638,

132.337

■ 25, 13.638,
132.337

■ 25, 13.638,
132.337

■ 25, 18.104,
131.894

■ 25, 9.126, 132.767

■ 24, 22.469,
131.450

■ 26, 4.603, 133.173

■ 24, 26.667,
131.036

■ 27, 0.099, 134.234

■ 23, 30.602,
130.696

■ 27, 4.366, 313.841

■ 23, 34.154,
130.496

■ 28, 8.776, 314.149

■ 23, 37.218,
130.538

■ 28, 13.120,
314.419

■ 29, 17.392,
314.659

■ 23, 40.123,
130.505

■ 30, 21.585,
314.871

■ 31, 25.697,
315.058

Harmonies

Complementary

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



25, 13.638, 132.337



20, 13.988, 314.668

Rectangle

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



25, 13.638, 132.337



25, 13.638, 182.337



25, 13.638, 312.337



25, 13.638, 2.337

Sweetspot

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



25, 13.639, 132.338



34, 5.033, 133.206



24, 8.565, 83.488



16, 3.439, 133.182



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25, 13.639, 132.338



32, 20.161, 132.012



25, 14.109, 145.925



11, 2.441, 133.246



35, 54.215, 130.754



78, 102.333, 131.910

Inverse Universe

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



20, 13.988, 314.668



25, 20.810, 314.958



21, 14.133, 329.333



10, 2.462, 313.815



14, 58.361, 315.983



39, 109.331, 315.174

Previews

White Background



This preview shows how the CIELCh color 25, 13.638, 132.337 looks on a white background.

Color Contrast Check

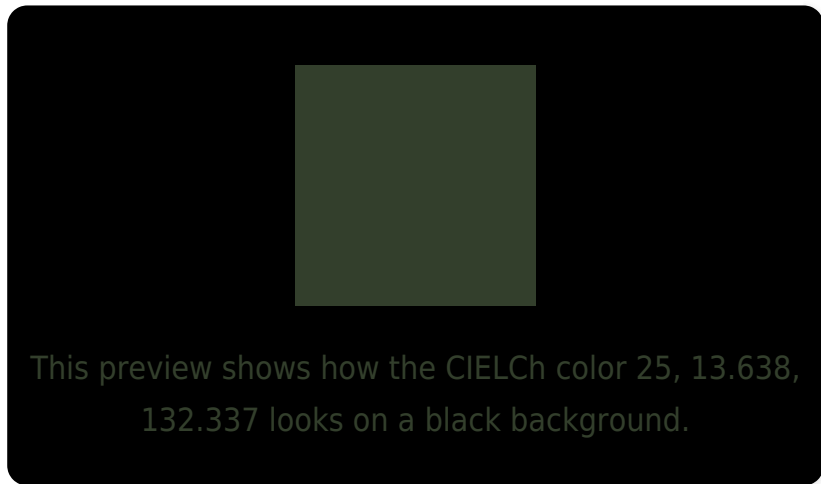
Large Text (above 18pt) WCAG AA ✓ Pass

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

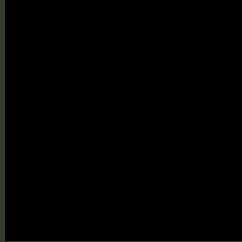
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 13.638, 132.337

Background



This preview shows how black text looks on a background with the CIELCh color 25, 13.638, 132.337.

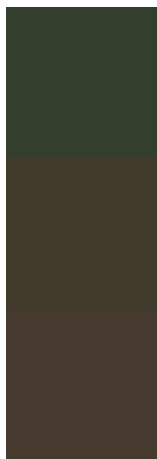


This preview shows how white text looks on a background with the CIELCh color 25, 13.638, 132.337.

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

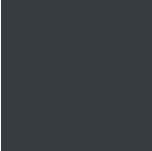
25, 13.638, 132.337

Protanopia

25, 11.392, 95.118

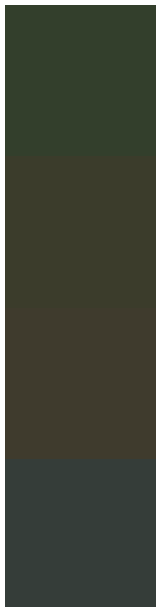
Deuteranopia

25, 10.290, 69.381



Tritanopia
25, 4.129, 252.311

Trichromacy



Original Color

25, 13.638, 132.337

Protanomaly

25, 11.096, 110.349

Deuteranomaly

25, 9.376, 96.087

Tritanomaly

25, 4.489, 162.731

Monochromacy



Original Color

25, 13.638, 132.337

Achromatopsia

24, 0.004, 296.813

Achromatomaly

24, 4.988, 131.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 13.638, 132.337 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(51, 63, 44)` looks like.

```
.text, #text, p{  
    color:rgb(51, 63, 44)  
}
```

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(51, 63, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 63, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 13.638, 132.337 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(51, 63, 44) }
```

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

```
.border{ border-color:rgb(51, 63, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 63, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 63, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 63, 44);  
box-shadow:4px 4px 4px 4px rgb(51, 63, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 13.638, 132.337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 63, 44) }
```

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

```
.background{ background-color: rgb(51, 63,  
44) }
```

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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