

Converting Colors

CIELCh(25, 14.829, 135.950)

Have a look what the booklet for
CIELCh(25, 14.829, 135.950)
contains.

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Color

CIELCh(25, 14.867, 135.930)

Conversions

Conversions Part 1

Format	Color
Hex	303F2B
RGB	48, 63, 43
RGB Percent	19%, 25%, 17%
CMY	0.8102, 0.7513, 0.8299
CMYK	0.24, 0.00, 0.32, 0.75
HSL	105°, 19%, 21%
HSV	105°, 32%, 25%
XYZ	3.4808, 4.4155, 2.9915
YIQ	56.2350, -2.5200, -9.4000

Conversions

Conversions Part 2

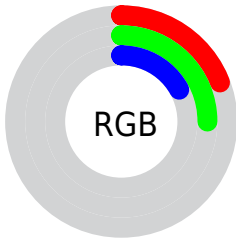
Format	Color
RYB	43, 63, 58
Decimal	3161899
CIELab	25.00, -10.68, 10.34
CIELCh	25, 14.867, 135.930
Yxy	4.4155, 0.3197, 0.4055
Android (android.graphics.Color)	4281351979 (0xFF303F2B)
YUV	56.2350, -6.5249, -7.2221
Hunter-Lab	21.0130, -7.2040, 6.2685

Details

The CIELCh color **25, 14.867, 135.930** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 15.115, 318.478**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 14.940, 137.099**, and **5, 12.165, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **25, 19.524, 135.416**, and if you desaturate by 10%, it is **26, 10.155, 136.412**.

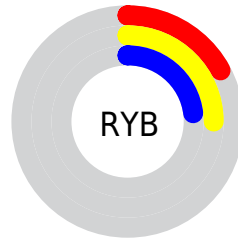
Distribution



Red (19%)

Green (25%)

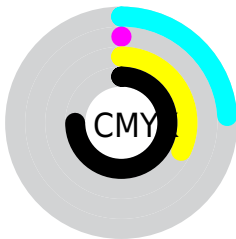
Blue (17%)



Red (17%)

Yellow (25%)

Blue (23%)

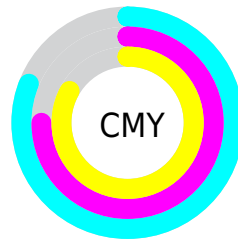


Cyan (24%)

Magenta (0%)

Yellow (32%)

Black (75%)



Cyan (81%)


Magenta (75%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 14.867, 135.930 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, 14.867, 135.930 by changing the saturation by 10% instead.

 25, 14.867,
135.930


 25, 14.867,
135.930

 100, 14.867,
135.930


 15, 14.867,
135.930


 45, 14.867,
135.930


 5, 14.867, 135.930

 55, 14.867,
135.930

 0, 14.867, 135.930

 65, 14.867,
135.930

 75, 14.867,
135.930

 85, 14.867,
135.930

 95, 14.867,

135.930

■ 25, 14.867,
135.930

■ 25, 14.867,
135.930

■ 25, 19.524,
135.416

■ 26, 10.155,
136.412

■ 24, 24.062,
134.882

■ 26, 5.432, 136.855

■ 24, 28.401,
134.356

■ 27, 0.733, 137.349

■ 27, 3.914, 317.557

■ 23, 32.434,
133.882

■ 28, 8.493, 317.877

■ 23, 36.027,
133.528

■ 29, 12.989,
318.150

■ 23, 39.114,
133.365

■ 30, 17.394,
318.388

■ 23, 41.627,
133.109

■ 30, 21.703,
318.595

■ 31, 25.914,
318.775

Harmonies

Complementary

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



25, 14.867, 135.930



20, 15.115, 318.478

Rectangle

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



25, 14.867, 135.930



25, 14.867, 185.930



25, 14.867, 315.930



25, 14.867, 5.930

Sweetspot

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



25, 14.868, 135.931



34, 5.203, 136.949



25, 9.998, 92.702



16, 3.555, 136.923



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, 14.868, 135.931



32, 22.032, 135.520



25, 13.641, 149.626



11, 2.524, 136.992



35, 55.780, 133.193



78, 105.118, 134.111

Inverse Universe

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



20, 15.115, 318.478



25, 22.486, 318.778



21, 13.722, 333.547



10, 2.539, 317.577



16, 57.205, 319.518



43, 106.901, 318.884

Previews

White Background



This preview shows how the CIELCh color 25, 14.867, 135.930 looks on a white background.

Color Contrast Check

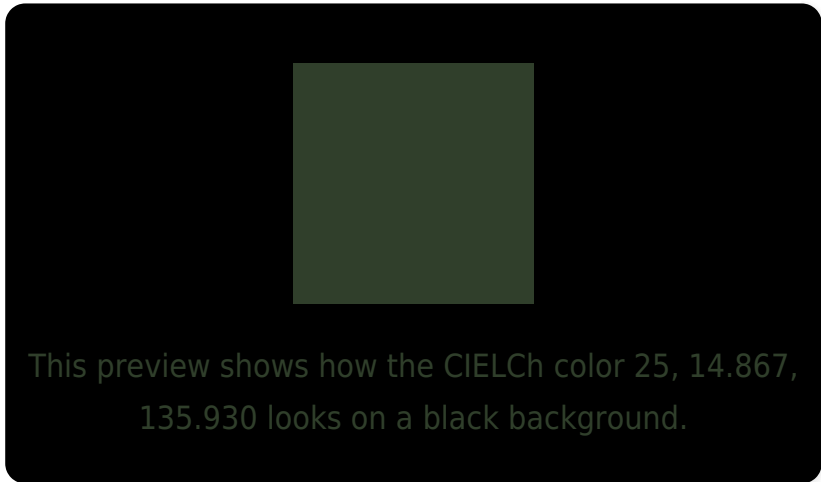
Large Text (above 18pt) WCAG AA ✓ Pass

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, 14.867, 135.930

Background



This preview shows how black text looks on a background with the CIELCh color 25, 14.867, 135.930.



This preview shows how white text looks on a background with the CIELCh color 25, 14.867, 135.930.

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

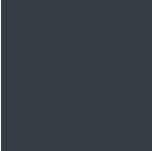
25, 14.867, 135.930

Protanopia

25, 11.392, 95.118

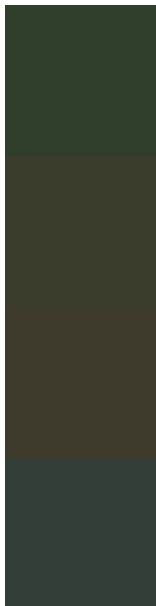
Deuteranopia

25, 10.290, 69.381



Tritanopia
25, 4.587, 234.082

Trichromacy



Original Color
25, 14.867, 135.930

Protanomaly
25, 11.800, 114.849

Deuteranomaly
25, 9.925, 99.489

Tritanomaly
25, 5.953, 164.835

Monochromacy



Original Color
25, 14.867, 135.930

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 5.186, 135.755

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 14.867, 135.930 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(48, 63, 43)` looks like.

```
.text, #text, p{  
    color:rgb(48, 63, 43)  
}
```

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(48, 63, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 63, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 14.867, 135.930 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(48, 63, 43) }
```

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

```
.border{ border-color:rgb(48, 63, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 63, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 63, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 63, 43);  
box-shadow:4px 4px 4px 4px rgb(48, 63, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 14.867, 135.930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 63, 43) }
```

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

```
.background{ background-color: rgb(48, 63,  
43) }
```

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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