

Converting Colors

CIELCh(25, 19.715, 134.452)

Have a look what the booklet for
CIELCh(25, 19.715, 134.452)
contains.

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Color

CIELCh(25, 19.680, 134.029)

Conversions

Conversions Part 1

Format	Color
Hex	2D4025
RGB	45, 64, 37
RGB Percent	18%, 25%, 15%
CMY	0.8220, 0.7474, 0.8534
CMYK	0.30, 0.00, 0.42, 0.75
HSL	102°, 27%, 20%
HSV	102°, 42%, 25%
XYZ	3.2958, 4.4155, 2.4600
YIQ	55.2410, -2.6570, -12.4250

Conversions

Conversions Part 2

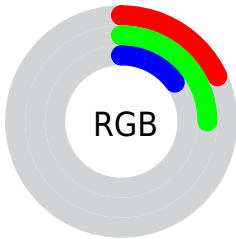
Format	Color
R_{YB}	37, 64, 56
Decimal	2965541
CIE _{Lab}	25.00, -13.68, 14.15
CIE _{LCh}	25, 19.680, 134.029
Yxy	4.4155, 0.3240, 0.4341
Android (android.graphics.Color)	4281155621 (0xFF2D4025)
YUV	55.2410, -8.9928, -8.9814
Hunter-Lab	21.0130, -8.7760, 7.7680

Details

The CIELCh color **25, 19.680, 134.029** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **18, 20.217, 317.413**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 19.909, 134.549**, and **6, 13.900, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **25, 24.208, 133.536**, and if you desaturate by 10%, it is **25, 15.035, 134.515**.

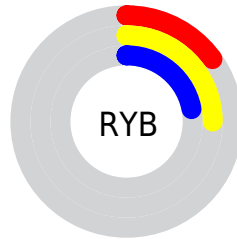
Distribution



Red (18%)

Green (25%)

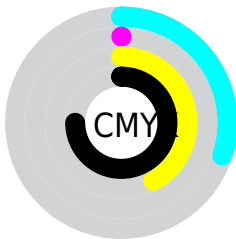
Blue (15%)



Red (15%)

Yellow (25%)

Blue (22%)

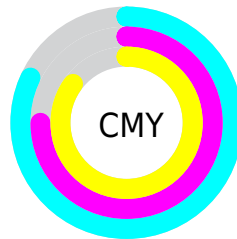


Cyan (30%)

Magenta (0%)

Yellow (42%)

Black (75%)



Cyan (82%)


Magenta (75%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 19.680, 134.029 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, 19.680, 134.029 by changing the saturation by 10% instead.

 25, 19.680,
134.029


 25, 19.680,
134.029

 100, 19.680,
134.029


 15, 19.680,
134.029


 45, 19.680,
134.029


 5, 19.680, 134.029

 55, 19.680,
134.029

 0, 19.680, 134.029

 65, 19.680,
134.029

 75, 19.680,
134.029

 85, 19.680,
134.029

 95, 19.680,

134.029

■ 25, 19.680,
134.029

■ 25, 19.680,
134.029

■ 25, 24.208,
133.536

■ 25, 15.035,
134.515

■ 24, 28.537,
133.065

■ 26, 10.330,
134.975

■ 24, 32.560,
132.663

■ 27, 5.612, 135.404

■ 24, 36.143,
132.399

■ 27, 0.915, 135.861

■ 23, 39.260,
132.299

■ 28, 3.737, 316.094

■ 23, 41.698,
132.122

■ 29, 12.838,
316.684

■ 30, 17.266,
316.923

■ 31, 21.603,
317.133

Harmonies

Complementary

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



25, 19.680, 134.029



18, 20.217, 317.413

Rectangle

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



25, 19.680, 134.029



25, 19.680, 184.029



25, 19.680, 314.029



25, 19.680, 4.029

Sweetspot

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



25, 19.681, 134.030



35, 7.621, 135.337



24, 13.137, 89.009



17, 5.382, 135.288



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



25, 19.681, 134.030



33, 29.090, 133.526



25, 18.755, 147.576



12, 2.668, 135.544



36, 56.276, 132.387



79, 105.043, 133.371

Inverse Universe

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



18, 20.217, 317.413



23, 30.062, 317.768



19, 18.821, 332.919



12, 2.687, 316.134



16, 58.719, 318.045



42, 108.728, 317.354

Previews

White Background



This preview shows how the CIELCh color 25, 19.680, 134.029 looks on a white background.

Color Contrast Check

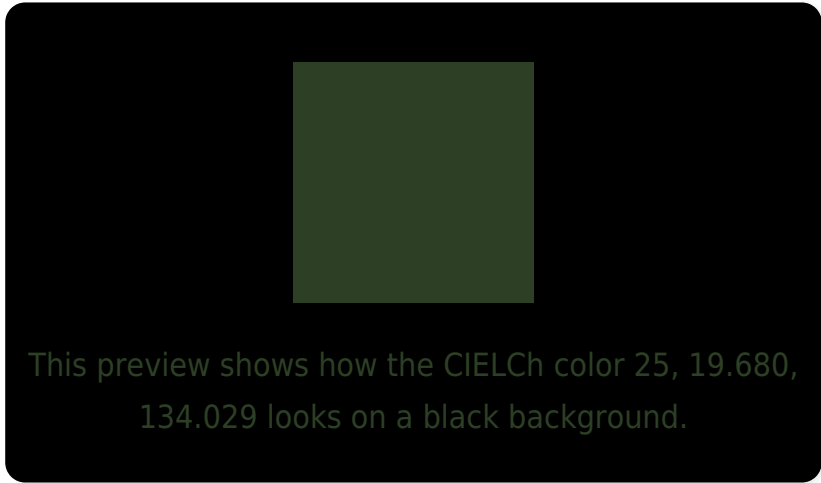
Large Text (above 18pt) WCAG AA ✓ Pass

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

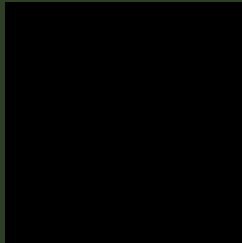
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 19.680, 134.029

Background



This preview shows how black text looks on a background with the CIELCh color 25, 19.680, 134.029.



This preview shows how white text looks on a background with the CIELCh color 25, 19.680, 134.029.

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, 19.680, 134.029

Protanopia
25, 15.894, 95.619

Deuteranopia
25, 13.923, 76.594



Tritanopia
25, 5.583, 235.135

Trichromacy



Original Color
25, 19.680, 134.029

Protanomaly
25, 16.202, 112.099

Deuteranomaly
25, 14.309, 103.075

Tritanomaly
25, 7.421, 165.906

Monochromacy



Original Color
25, 19.680, 134.029

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 7.391, 135.098

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 19.680, 134.029 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(45, 64, 37)` looks like.

```
.text, #text, p{  
    color:rgb(45, 64, 37)  
}
```

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(45, 64, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 64, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 19.680, 134.029 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(45, 64, 37) }
```

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

```
.border{ border-color:rgb(45, 64, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 64, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 64, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 64, 37);  
box-shadow:4px 4px 4px 4px rgb(45, 64, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 19.680, 134.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 64, 37) }
```

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

```
.background{ background-color: rgb(45, 64,  
37) }
```

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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