

Converting Colors

CIELCh(25, 35.292, 148.054)

Have a look what the booklet for
CIELCh(25, 35.292, 148.054)
contains.

CIELCh(25, 35.163, 147.867)	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, 35.163, 147.867)

Conversions

Conversions Part 1

Format	Color
Hex	03451D
RGB	3, 69, 29
RGB Percent	1%, 27%, 11%
CMY	0.9899, 0.7278, 0.8848
CMYK	0.96, 0.00, 0.58, 0.73
HSL	144°, 93%, 14%
HSV	144°, 96%, 27%
XYZ	2.4128, 4.4155, 1.9123
YIQ	44.7060, -26.4960, -26.4320

Conversions

Conversions Part 2

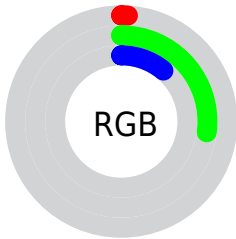
Format	Color
R_{YB}	3, 50, 69
Decimal	214301
CIE _{Lab}	25.00, -29.78, 18.70
CIE _{LCh}	25, 35.163, 147.867
Yxy	4.4155, 0.2760, 0.5052
Android (android.graphics.Color)	4278404381 (0xFF03451D)
YUV	44.7060, -7.7431, -36.5762
Hunter-Lab	21.0130, -16.2770, 9.3135

Details

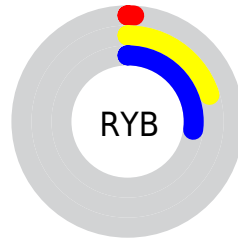
The CIELCh color **25, 35.163, 147.867** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **13, 34.078, 348.935**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 34.815, 147.837**, and **7, 16.758, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **25, 36.197, 147.404**, and if you desaturate by 10%, it is **25, 32.351, 149.341**.

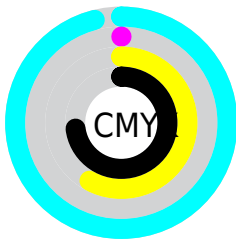
Distribution



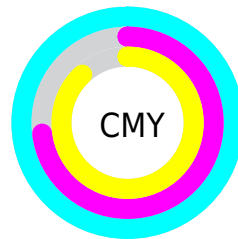
- Red (1%)
- Green (27%)
- Blue (11%)



- Red (1%)
- Yellow (20%)
- Blue (27%)



- Cyan (96%)
- Magenta (0%)
- Yellow (58%)
- Black (73%)





- Cyan (99%)
- Magenta (73%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 35.163, 147.867 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, 35.163, 147.867 by changing the saturation by 10% instead.

 25, 35.163,
147.867


 25, 35.163,
147.867

 100, 35.163,
147.867


 15, 35.163,
147.867


 45, 35.163,
147.867


 5, 35.163, 147.867

 55, 35.163,
147.867

 0, 35.163, 147.867

 65, 35.163,
147.867

 75, 35.163,
147.867

 85, 35.163,
147.867

 95, 35.163,

147.867

■ 25, 35.163,
147.867

■ 25, 35.163,
147.867

■ 25, 36.197,
147.404

■ 25, 32.351,
149.341

■ 25, 29.388,
150.946

■ 26, 26.108,
152.391

■ 26, 22.554,
153.679

■ 27, 18.779,
154.824

■ 27, 14.841,
155.841

■ 28, 10.795,
156.748

■ 28, 6.694, 157.565

■ 29, 2.580, 158.330

Harmonies

Complementary

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



25, 35.163, 147.867



13, 34.078, 348.935

Rectangle

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



25, 35.163, 147.867



25, 35.163, 197.867



25, 35.163, 327.867



25, 35.163, 17.867

Sweetspot

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



25, 35.163, 147.867



35, 14.647, 156.414



26, 39.485, 122.729



17, 10.128, 156.224



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, 35.163, 147.867



33, 43.795, 146.464



26, 20.904, 183.915



14, 2.337, 158.150



36, 47.573, 146.120



79, 90.258, 144.383

Inverse Universe

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



13, 34.078, 348.935



17, 41.154, 350.605



12, 33.937, 25.296



13, 2.354, 339.209



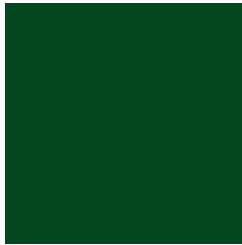
20, 44.258, 351.044



50, 79.800, 353.451

Previews

White Background



This preview shows how the CIELCh color 25, 35.163, 147.867 looks on a white background.

Color Contrast Check

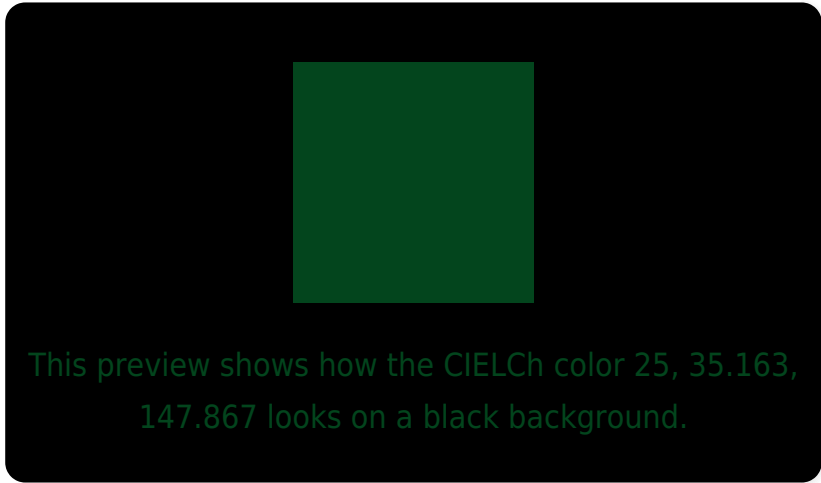
Large Text (above 18pt) WCAG AA ✓ Pass

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

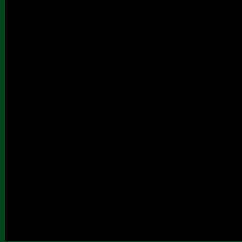
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 35.163, 147.867

Background



This preview shows how black text looks on a background with the CIELCh color 25, 35.163, 147.867.



This preview shows how white text looks on a background with the CIELCh color 25, 35.163, 147.867.

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, 35.036, 147.679

Protanopia
25, 21.877, 97.222

Deuteranopia
25, 17.917, 78.841



Tritanopia
25, 13.751, 211.336

Trichromacy



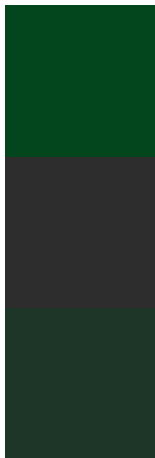
Original Color
25, 35.036, 147.679

Protanomaly
24, 24.896, 128.691

Deuteranomaly
24, 20.659, 127.099

Tritanomaly
25, 19.866, 172.668

Monochromacy



Original Color
25, 35.036, 147.679

Achromatopsia
18, 0.003, 296.813

Achromatomaly
20, 14.966, 154.096

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 35.163, 147.867 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(3, 69, 29)` looks like.

```
.text, #text, p{  
    color:rgb(3, 69, 29)  
}
```

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(3, 69, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 69, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 35.163, 147.867 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(3, 69, 29) }
```

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

```
.border{ border-color:rgb(3, 69, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 69, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 69, 29); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 69, 29); box-shadow:4px  
4px 4px 4px rgb(3, 69, 29) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 35.163, 147.867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 69, 29) }
```

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

```
.background{ background-color: rgb(3, 69,  
29) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor