

Converting Colors

CIELCh(24, 39.837, 156.309)

Have a look what the booklet for
CIELCh(24, 39.837, 156.309)
contains.

CIELCh(25, 34.495, 149.527)	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, 34.495, 149.527)

Conversions

Conversions Part 1

Format	Color
Hex	01451F
RGB	1, 69, 31
RGB Percent	0%, 27%, 12%
CMY	0.9978, 0.7277, 0.8769
CMYK	0.99, 0.00, 0.55, 0.73
HSL	147°, 98%, 14%
HSV	147°, 99%, 27%
XYZ	2.4151, 4.4155, 2.0488
YIQ	44.3360, -28.3300, -26.2340

Conversions

Conversions Part 2

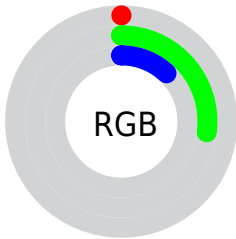
Format	Color
R _Y B	1, 48, 69
Decimal	83231
CIE Lab	25.00, -29.73, 17.49
CIE LCh	25, 34.495, 149.527
Yxy	4.4155, 0.2720, 0.4973
Android (android.graphics.Color)	4278273311 (0xFF01451F)
YUV	44.3360, -6.5746, -38.0057
Hunter-Lab	21.0130, -16.2576, 8.9281

Details

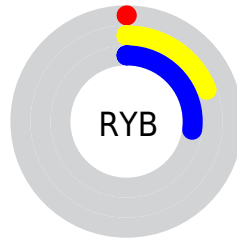
The CIELCh color **25, 34.495, 149.527** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **12, 34.055, 352.825**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **45, 34.129, 149.417**, and **7, 16.758, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **25, 34.715, 149.425**, and if you desaturate by 10%, it is **25, 31.807, 150.941**.

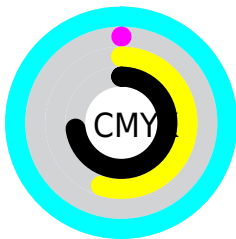
Distribution



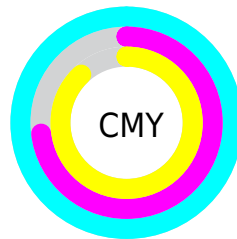
- Red (0%)
- Green (27%)
- Blue (12%)



- Red (0%)
- Yellow (19%)
- Blue (27%)



- Cyan (99%)
- Magenta (0%)
- Yellow (55%)
- Black (73%)





- Cyan (100%)
- Magenta (73%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 34.495, 149.527 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, 34.495, 149.527 by changing the saturation by 10% instead.

 25, 34.495,
149.527


 25, 34.495,
149.527

 100, 34.495,
149.527

 15, 34.495,
149.527


 45, 34.495,
149.527


 5, 34.495, 149.527

 55, 34.495,
149.527

 0, 34.495, 149.527

 65, 34.495,
149.527

 75, 34.495,
149.527

 85, 34.495,
149.527

 95, 34.495,

149.527

■ 25, 34.495,
149.527

■ 25, 34.495,
149.527

■ 25, 34.715,
149.425

■ 25, 31.807,
150.941

■ 25, 29.060,
152.583

■ 26, 26.020,
154.091

■ 26, 22.699,
155.440

■ 26, 19.144,
156.642

■ 27, 15.409,
157.714

■ 28, 11.546,
158.673

■ 28, 7.607, 159.537

■ 29, 3.638, 160.336

Harmonies

Complementary

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



25, 34.495, 149.527



12, 34.055, 352.825

Rectangle

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



25, 34.495, 149.527



25, 34.495, 199.527



25, 34.495, 329.527



25, 34.495, 19.527

Sweetspot

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



25, 34.495, 149.527



35, 14.605, 158.491



26, 40.768, 124.030



17, 10.040, 158.305



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, 34.495, 149.527



33, 41.978, 148.471



26, 20.593, 187.698



14, 2.258, 160.380



36, 45.595, 148.121



80, 86.491, 146.339

Inverse Universe

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



12, 34.055, 352.825



17, 40.352, 354.306



11, 35.077, 26.552



13, 2.278, 341.483



20, 43.409, 354.825



49, 78.438, 357.662

Previews

White Background



This preview shows how the CIELCh color 25, 34.495, 149.527 looks on a white background.

Color Contrast Check

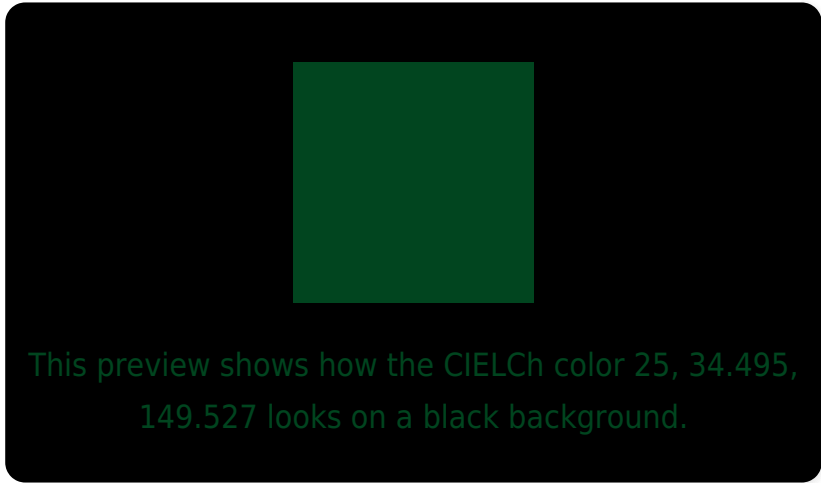
Large Text (above 18pt) WCAG AA ✓ Pass

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

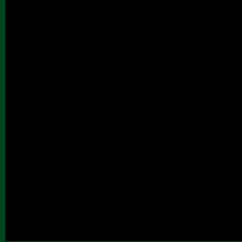
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 34.495, 149.527

Background



This preview shows how black text looks on a background with the CIELCh color 25, 34.495, 149.527.



This preview shows how white text looks on a background with the CIELCh color 25, 34.495, 149.527.

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, 34.364, 149.341

Protanopia
25, 20.707, 97.048

Deuteranopia
25, 16.774, 77.253



Tritanopia
25, 13.791, 214.202

Trichromacy



Original Color
25, 34.364, 149.341

Protanomaly
24, 24.018, 130.845

Deuteranomaly
24, 19.513, 128.485

Tritanomaly
25, 19.337, 176.258

Monochromacy



Original Color
25, 34.364, 149.341

Achromatopsia
18, 0.003, 296.813

Achromatomaly
20, 14.772, 156.833

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 34.495, 149.527 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(1, 69, 31)` looks like.

```
.text, #text, p{  
    color:rgb(1, 69, 31)  
}
```

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(1, 69, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 69, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 34.495, 149.527 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(1, 69, 31) }
```

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

```
.border{ border-color:rgb(1, 69, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 69, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 69, 31); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 69, 31); box-shadow:4px  
4px 4px 4px rgb(1, 69, 31) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 34.495, 149.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 69, 31) }
```

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

```
.background{ background-color: rgb(1, 69,  
31) }
```

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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