

Converting Colors

CIELCh(24, 39.121, 151.895)

Have a look what the booklet for
CIELCh(24, 39.121, 151.895)
contains.

CIELCh(24, 35.303, 147.939)	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(24, 35.303, 147.939)

Conversions

Conversions Part 1

Format	Color
Hex	00431B
RGB	0, 67, 27
RGB Percent	0%, 26%, 11%
CMY	1.0000, 0.7368, 0.8933
CMYK	1.00, 0.00, 0.59, 0.74
HSL	144°, 100%, 13%
HSV	144°, 100%, 26%
XYZ	2.2000, 4.1002, 1.7245
YIQ	42.4070, -27.0920, -26.6440

Conversions

Conversions Part 2

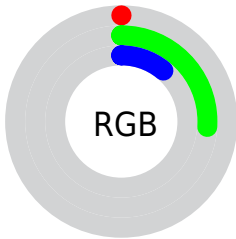
Format	Color
RYB	0, 48, 67
Decimal	17179
CIELab	24.00, -29.92, 18.74
CIELCh	24, 35.303, 147.939
Yxy	4.1002, 0.2742, 0.5109
Android (android.graphics.Color)	4278207259 (0xFF00431B)
YUV	42.4070, -7.5957, -37.1909
Hunter-Lab	20.2490, -16.0419, 9.1250

Details

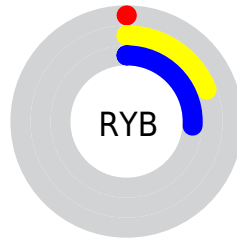
The CIELCh color **24, 35.303, 147.939** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **12, 34.145, 349.599**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 34.889, 147.748**, and **5, 13.016, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 35.155, 147.723**, and if you desaturate by 10%, it is **24, 32.401, 149.038**.

Distribution



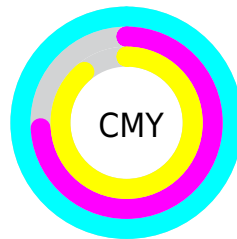
- Red (0%)
- Green (26%)
- Blue (11%)



- Red (0%)
- Yellow (19%)
- Blue (26%)



- Cyan (100%)
- Magenta (0%)
- Yellow (59%)
- Black (74%)





- Cyan (100%)
- Magenta (74%)
- Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 35.303, 147.939 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 24, 35.303, 147.939 by changing the saturation by 10% instead.

 24, 35.303,
147.939


 24, 35.303,
147.939

 100, 35.303,
147.939


 14, 35.303,
147.939


 44, 35.303,
147.939


 4, 35.303, 147.939

 54, 35.303,
147.939

 0, 35.303, 147.939

 64, 35.303,
147.939

 74, 35.303,
147.939

 84, 35.303,
147.939

 94, 35.303,

147.939

■ 24, 35.303,
147.939

■ 24, 35.303,
147.939

■ 24, 35.155,
147.723

■ 24, 32.401,
149.038

■ 24, 29.598,
150.626

■ 25, 26.520,
152.117

■ 25, 23.162,
153.450

■ 25, 19.573,
154.636

■ 26, 15.807,
155.691

■ 26, 11.918,
156.631

■ 27, 7.959, 157.474

■ 28, 3.972, 158.246

Harmonies

Complementary

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



24, 35.303, 147.939



12, 34.145, 349.599

Rectangle

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



24, 35.303, 147.939



24, 35.303, 197.939



24, 35.303, 327.939



24, 35.303, 17.939

Sweetspot

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



24, 35.155, 147.723



34, 14.739, 156.522



25, 39.565, 122.758



16, 9.890, 156.371



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



24, 35.155, 147.723



32, 42.678, 146.736



25, 20.843, 183.696



12, 2.186, 158.360



35, 46.462, 146.373



79, 89.130, 144.567

Inverse Universe

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



12, 34.145, 349.599



17, 40.290, 350.807



11, 34.027, 24.349



12, 2.202, 339.395



19, 43.402, 351.274



49, 78.990, 353.800

Previews

White Background



This preview shows how the CIELCh color 24, 35.303, 147.939 looks on a white background.

Color Contrast Check

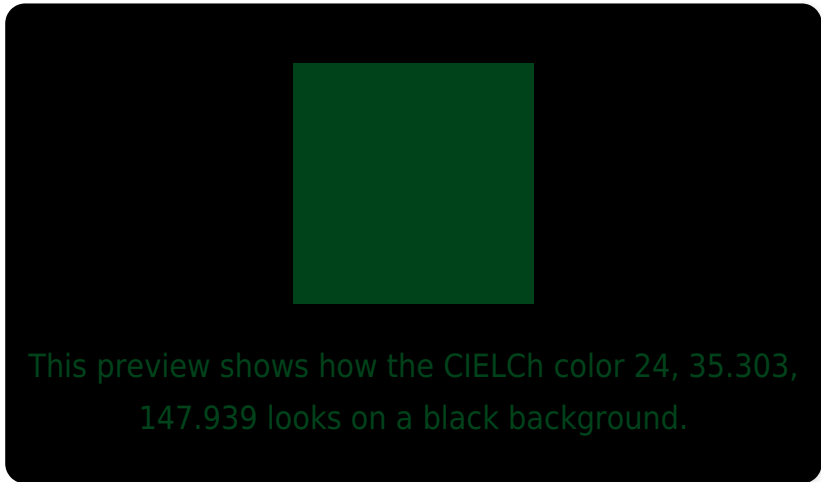
Large Text (above 18pt) WCAG AA ✓ Pass

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

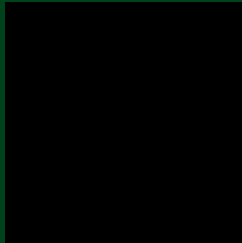
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 35.303, 147.939

Background



This preview shows how black text looks on a background with the CIELCh color 24, 35.303, 147.939.



This preview shows how white text looks on a background with the CIELCh color 24, 35.303, 147.939.

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

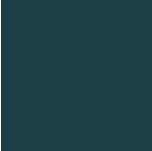
24, 35.183, 147.633

Protanopia

24, 21.949, 97.066

Deuteranopia

24, 18.023, 78.675



Tritanopia
24, 13.220, 212.029

Trichromacy



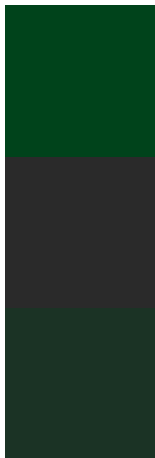
Original Color
24, 35.183, 147.633

Protanomaly
23, 24.982, 128.637

Deuteranomaly
23, 20.036, 126.467

Tritanomaly
24, 19.031, 173.589

Monochromacy



Original Color
24, 35.183, 147.633

Achromatopsia
17, 0.003, 296.813

Achromatomaly
19, 14.581, 155.731

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 35.303, 147.939 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(0, 67, 27)` looks like.

```
.text, #text, p{  
    color:rgb(0, 67, 27)  
}
```

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(0, 67, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 67, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 35.303, 147.939 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(0, 67, 27) }
```

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

```
.border{ border-color:rgb(0, 67, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 67, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 67, 27); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 67, 27); box-shadow:4px  
4px 4px 4px rgb(0, 67, 27) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 35.303, 147.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 67, 27) }
```

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

```
.background{ background-color: rgb(0, 67,  
27) }
```

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