

Converting Colors

CIELCh(24, 83.282, 103.663)

Have a look what the booklet for
CIELCh(24, 83.282, 103.663)
contains.

CIELCh(24, 37.207, 119.101)	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, 37.207, 119.101)

Conversions

Conversions Part 1

Format	Color
Hex	2B3F00
RGB	43, 63, 0
RGB Percent	17%, 25%, 0%
CMY	0.8303, 0.7520, 1.0000
CMYK	0.32, 0.00, 1.00, 0.75
HSL	79°, 100%, 12%
HSV	79°, 100%, 25%
XYZ	2.7943, 4.1002, 0.6201
YIQ	49.8380, 8.3030, -23.8330

Conversions

Conversions Part 2

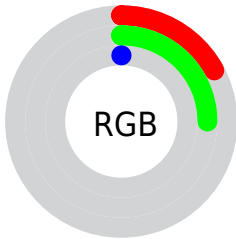
Format	Color
RYB	0, 63, 20
Decimal	2834176
CIELab	24.00, -18.10, 32.51
CIELCh	24, 37.207, 119.101
Yxy	4.1002, 0.3719, 0.5456
Android (android.graphics.Color)	4281024256 (0xFF2B3F00)
YUV	49.8380, -24.5701, -5.9969
Hunter-Lab	20.2490, -10.8029, 12.3587

Details

The CIELCh color **24, 37.207, 119.101** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **5, 44.414, 308.004**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 37.019, 119.561**, and **5, 13.016, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 36.886, 119.276**, and if you desaturate by 10%, it is **24, 34.169, 119.178**.

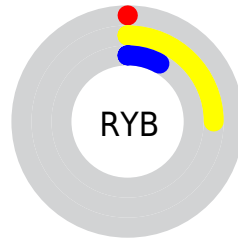
Distribution



Red (17%)

Green (25%)

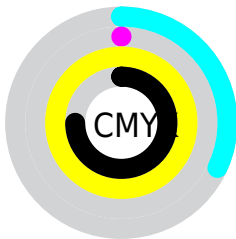
Blue (0%)



Red (0%)

Yellow (25%)

Blue (8%)

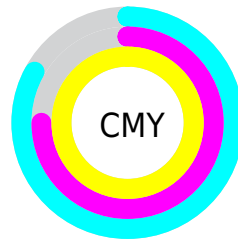


Cyan (32%)

Magenta (0%)

Yellow (100%)

Black (75%)



Cyan (83%)


Magenta (75%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 37.207, 119.101 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, 37.207, 119.101 by changing the saturation by 10% instead.

 24, 37.207,
119.101


 24, 37.207,
119.101

 100, 37.207,
119.101


 14, 37.207,
119.101


 44, 37.207,
119.101


 4, 37.207, 119.101

 54, 37.207,
119.101

 0, 37.207, 119.101

 64, 37.207,
119.101

 74, 37.207,
119.101

 84, 37.207,
119.101

 94, 37.207,

119.101

■ 24, 37.207,
119.101

■ 24, 37.207,
119.101

■ 24, 36.886,
119.276

■ 24, 34.169,
119.178

■ 24, 31.398,
119.108

■ 25, 28.189,
119.249

■ 25, 24.604,
119.551

■ 25, 20.760,
119.956

■ 25, 16.747,
120.422

■ 26, 12.625,
120.916

■ 26, 8.440, 121.420

■ 26, 4.223, 121.920

Harmonies

Complementary

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



24, 37.207, 119.101



5, 44.414, 308.004

Rectangle

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



24, 37.207, 119.101



24, 37.207, 169.101



24, 37.207, 299.101



24, 37.207, 349.101

Sweetspot

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



24, 36.886, 119.276



33, 15.600, 120.852



13, 28.316, 43.727



16, 10.455, 120.780



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



24, 36.886, 119.276



31, 44.547, 119.392



23, 41.985, 133.997



11, 2.280, 122.001



36, 49.326, 119.679



81, 92.566, 120.815

Inverse Universe

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



5, 44.414, 308.004



7, 55.958, 309.349



9, 43.268, 321.551



10, 2.314, 302.807



10, 62.073, 309.179



31, 116.735, 308.428

Previews

White Background



This preview shows how the CIELCh color 24, 37.207, 119.101 looks on a white background.

Color Contrast Check

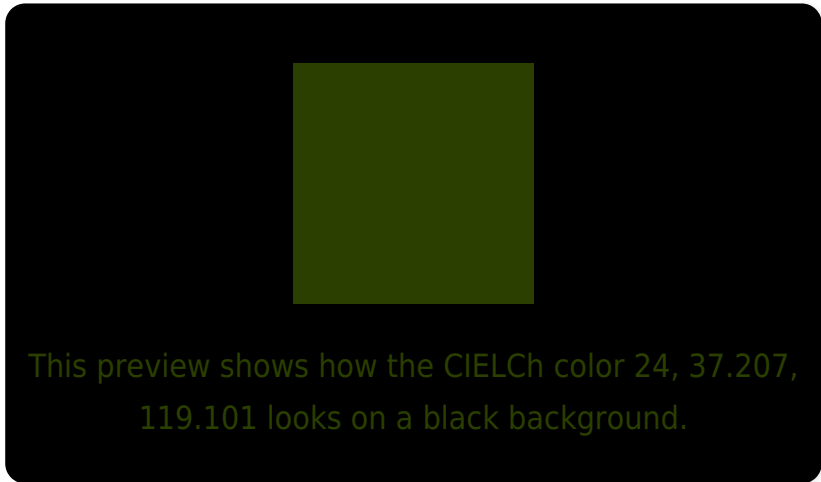
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.207, 119.101

Background



This preview shows how black text looks on a background with the CIELCh color 24, 37.207, 119.101.



This preview shows how white text looks on a background with the CIELCh color 24, 37.207, 119.101.

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

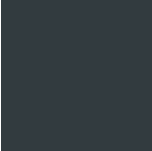
24, 36.783, 119.354

Protanopia

24, 32.811, 95.465

Deuteranopia

24, 28.155, 83.572



Tritanopia
24, 4.606, 234.129

Trichromacy



Original Color
24, 36.783, 119.354

Protanomaly
24, 33.357, 105.042

Deuteranomaly
24, 29.339, 98.418

Tritanomaly
24, 15.088, 131.750

Monochromacy



Original Color
24, 36.783, 119.354

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 15.531, 119.920

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 37.207, 119.101 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(43, 63, 0)` looks like.

```
.text, #text, p{  
    color:rgb(43, 63, 0)  
}
```

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(43, 63, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 63, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 37.207, 119.101 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(43, 63, 0) }
```

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

```
.border{ border-color:rgb(43, 63, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 63, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 63, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(43, 63, 0); box-shadow:4px  
4px 4px 4px rgb(43, 63, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 37.207, 119.101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 63, 0) }
```

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

```
.background{ background-color: rgb(43, 63,  
0) }
```

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