

Converting Colors

CIELCh(23, 24.430, 140.960)

Have a look what the booklet for
CIELCh(23, 24.430, 140.960)
contains.

CIELCh(23, 24.729, 141.051)	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(23, 24.729, 141.051)

Conversions

Conversions Part 1

Format	Color
Hex	1F3E1F
RGB	31, 62, 31
RGB Percent	12%, 24%, 12%
CMY	0.8795, 0.7579, 0.8794
CMYK	0.50, 0.00, 0.50, 0.76
HSL	120°, 34%, 18%
HSV	120°, 50%, 24%
XYZ	2.5088, 3.8003, 1.8804
YIQ	49.1970, -8.5250, -16.2130

Conversions

Conversions Part 2

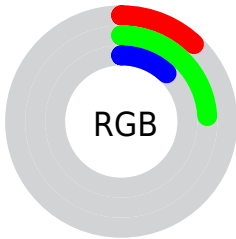
Format	Color
R_{YB}	31, 62, 62
Decimal	2047519
CIE _{Lab}	23.00, -19.23, 15.55
CIE _{LCh}	23, 24.729, 141.051
Yxy	3.8003, 0.3063, 0.4640
Android (android.graphics.Color)	4280237599 (0xFF1F3E1F)
YUV	49.1970, -8.9711, -15.9588
Hunter-Lab	19.4944, -11.1436, 7.9272

Details

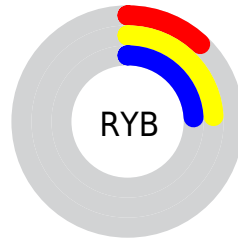
The CIELCh color **23, 24.729, 141.051** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **17, 24.654, 326.766**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 25.126, 140.973**, and **4, 10.564, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 29.222, 140.111**, and if you desaturate by 10%, it is **23, 19.974, 141.913**.

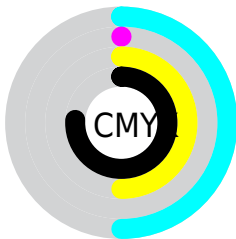
Distribution



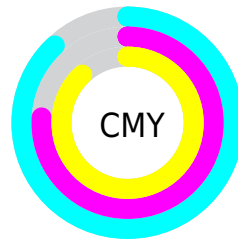
- Red (12%)
- Green (24%)
- Blue (12%)



- Red (12%)
- Yellow (24%)
- Blue (24%)



- Cyan (50%)
- Magenta (0%)
- Yellow (50%)
- Black (76%)





- Cyan (88%)
- Magenta (76%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 24.729, 141.051 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 23, 24.729, 141.051 by changing the saturation by 10% instead.

 23, 24.729,
141.051


 23, 24.729,
141.051

 100, 24.729,
141.051


 13, 24.729,
141.051


 43, 24.729,
141.051


 3, 24.729, 141.051

 53, 24.729,
141.051

 0, 24.729, 141.051

 63, 24.729,
141.051

 73, 24.729,
141.051

 83, 24.729,
141.051

 93, 24.729,

141.051

■ 23, 24.729,
141.051

■ 23, 24.729,
141.051

■ 23, 29.222,
140.111

■ 23, 19.974,
141.913

■ 22, 33.327,
139.124

■ 24, 15.058,
142.683

■ 22, 36.900,
138.152

■ 25, 10.066,
143.362

■ 22, 39.849,
137.473

■ 25, 5.064, 143.961

■ 22, 42.744,
137.008

■ 26, 0.103, 145.539

■ 27, 4.780, 324.864

■ 28, 9.559, 325.256

■ 29, 14.218,
325.588

■ 30, 18.747,
325.874

Harmonies

Complementary

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



23, 24.729, 141.051



17, 24.654, 326.766

Rectangle

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



23, 24.729, 141.051



23, 24.729, 191.051



23, 24.729, 321.051



23, 24.729, 11.051

Sweetspot

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



23, 24.729, 141.051



32, 9.163, 143.645



25, 19.771, 106.007



16, 6.311, 143.597



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



23, 24.729, 141.051



29, 35.625, 139.885



23, 16.960, 159.237



11, 2.728, 144.063



34, 57.858, 136.027



77, 107.807, 136.020

Inverse Universe

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



17, 24.654, 326.766



21, 35.359, 327.242



16, 17.835, 348.111



10, 2.733, 324.832



21, 55.814, 328.256



53, 103.974, 328.258

Previews

White Background



This preview shows how the CIELCh color 23, 24.729, 141.051 looks on a white background.

Color Contrast Check

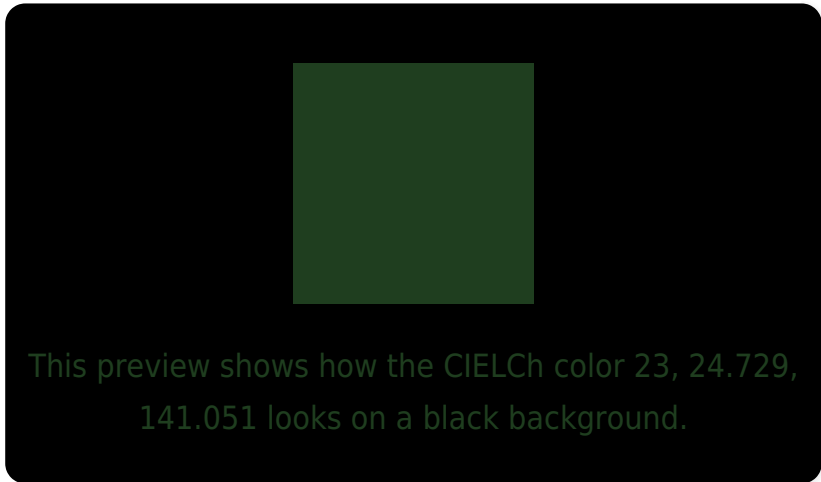
Large Text (above 18pt) WCAG AA ✓ Pass

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

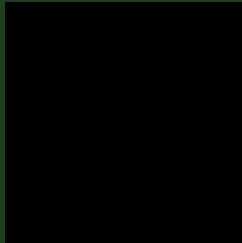
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 24.729, 141.051

Background



This preview shows how black text looks on a background with the CIELCh color 23, 24.729, 141.051.



This preview shows how white text looks on a background with the CIELCh color 23, 24.729, 141.051.

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

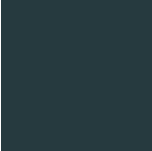
23, 24.729, 141.051

Protanopia

23, 17.807, 97.676

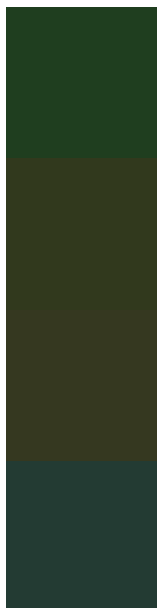
Deuteranopia

23, 14.732, 77.318



Tritanopia
23, 8.568, 221.234

Trichromacy



Original Color
23, 24.729, 141.051

Protanomaly
23, 18.622, 118.794

Deuteranomaly
23, 15.761, 112.241

Tritanomaly
23, 11.727, 170.145

Monochromacy



Original Color
23, 24.729, 141.051

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 9.897, 143.253

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 24.729, 141.051 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(31, 62, 31)` looks like.

```
.text, #text, p{  
    color:rgb(31, 62, 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(31, 62, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 62, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 24.729, 141.051 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(31, 62, 31) }
```

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

```
.border{ border-color:rgb(31, 62, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 62, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 62, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 62, 31);  
box-shadow:4px 4px 4px 4px rgb(31, 62, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 24.729, 141.051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 62, 31) }
```

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

```
.background{ background-color: rgb(31, 62,  
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](#).

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