

Converting Colors

CIELCh(24, 16.318, 140.379)

Have a look what the booklet for
CIELCh(24, 16.318, 140.379)
contains.

CIELCh(24, 16.427, 140.068)	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, 16.427, 140.068)

Conversions

Conversions Part 1

Format	Color
Hex	2B3E29
RGB	43, 62, 41
RGB Percent	17%, 24%, 16%
CMY	0.8319, 0.7574, 0.8397
CMYK	0.31, 0.00, 0.34, 0.76
HSL	114°, 20%, 20%
HSV	114°, 34%, 24%
XYZ	3.1039, 4.1002, 2.7138
YIQ	53.9250, -4.5830, -10.5590

Conversions

Conversions Part 2

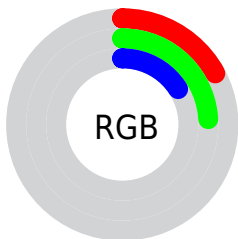
Format	Color
R_{YB}	41, 62, 60
Decimal	2833961
CIE _{Lab}	24.00, -12.60, 10.54
CIE _{LCh}	24, 16.427, 140.068
Yxy	4.1002, 0.3130, 0.4134
Android (android.graphics.Color)	4281024041 (0xFF2B3E29)
YUV	53.9250, -6.3720, -9.5812
Hunter-Lab	20.2490, -8.0744, 6.2280

Details

The CIELCh color **24, 16.427, 140.068** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **20, 16.520, 323.278**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 16.863, 139.889**, and **5, 12.165, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 21.182, 139.392**, and if you desaturate by 10%, it is **25, 11.588, 140.679**.

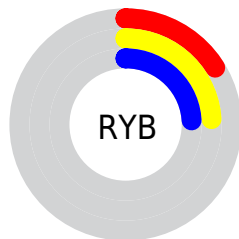
Distribution



Red (17%)

Green (24%)

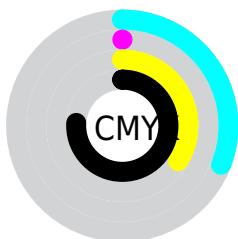
Blue (16%)



Red (16%)

Yellow (24%)

Blue (24%)

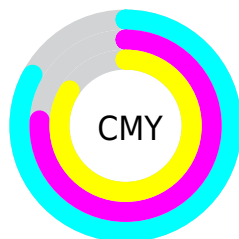


Cyan (31%)

Magenta (0%)

Yellow (34%)

Black (76%)



Cyan (83%)


Magenta (76%)


Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 16.427, 140.068 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, 16.427, 140.068 by changing the saturation by 10% instead.

 24, 16.427,
140.068


 24, 16.427,
140.068

 100, 16.427,
140.068


 14, 16.427,
140.068


 44, 16.427,
140.068


 4, 16.427, 140.068

 54, 16.427,
140.068

 0, 16.427, 140.068

 64, 16.427,
140.068

 74, 16.427,
140.068

 84, 16.427,
140.068

 94, 16.427,

140.068

■ 24, 16.427,
140.068

■ 24, 16.427,
140.068

■ 23, 21.182,
139.392

■ 25, 11.588,
140.679

■ 23, 25.773,
138.658

■ 25, 6.725, 141.224

■ 23, 30.101,
137.892

■ 26, 1.885, 141.737

■ 27, 2.896, 322.059

■ 22, 34.044,
137.135

■ 27, 7.593, 322.439

■ 22, 37.420,
136.513

■ 28, 12.190,
322.755

■ 22, 40.316,
135.969

■ 29, 16.675,
323.026

■ 22, 42.055,
135.626

■ 30, 21.043,
323.260

■ 31, 25.290,
323.462

Harmonies

Complementary

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



24, 16.427, 140.068



20, 16.520, 323.278

Rectangle

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



24, 16.427, 140.068



24, 16.427, 190.068



24, 16.427, 320.068



24, 16.427, 10.068

Sweetspot

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



24, 16.428, 140.069



34, 6.068, 141.401



25, 12.346, 102.673



16, 4.070, 141.376



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, 16.428, 140.069



32, 24.912, 139.463



24, 12.629, 156.081



11, 2.647, 141.504



34, 57.199, 135.153



77, 107.271, 135.646

Inverse Universe

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



20, 16.520, 323.278



25, 25.062, 323.636



19, 12.895, 341.049



10, 2.655, 322.182



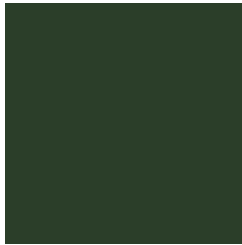
19, 56.159, 324.769



49, 104.690, 324.498

Previews

White Background



This preview shows how the CIELCh color 24, 16.427, 140.068 looks on a white background.

Color Contrast Check

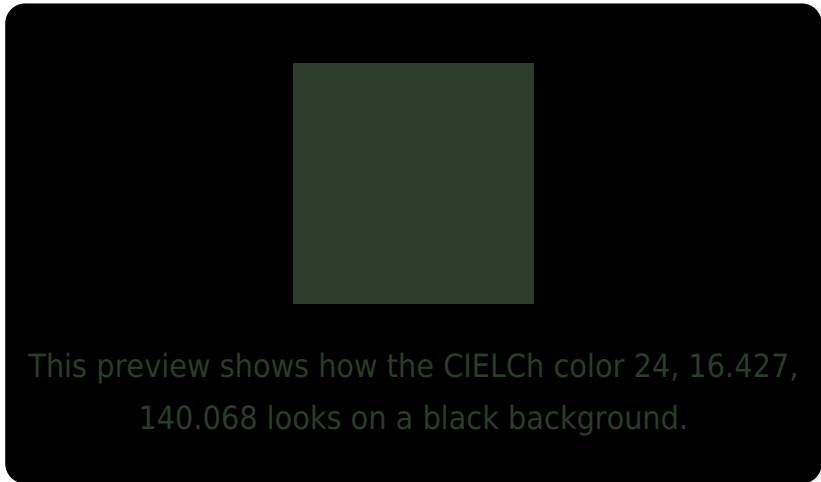
Large Text (above 18pt) WCAG AA ✓ Pass

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

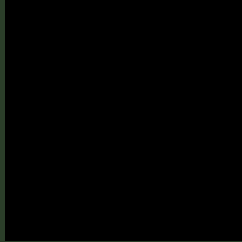
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 16.427, 140.068

Background



This preview shows how black text looks on a background with the CIELCh color 24, 16.427, 140.068.



This preview shows how white text looks on a background with the CIELCh color 24, 16.427, 140.068.

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

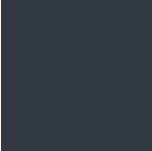
24, 16.427, 140.068

Protanopia

24, 12.089, 95.501

Deuteranopia

24, 10.584, 73.375



Tritanopia
24, 5.926, 232.888

Trichromacy



Original Color
24, 16.427, 140.068

Protanomaly
24, 12.570, 116.533

Deuteranomaly
24, 9.879, 105.131

Tritanomaly
24, 7.139, 176.280

Monochromacy



Original Color
24, 16.427, 140.068

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 6.264, 140.407

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 16.427, 140.068 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, 62, 41)` looks like.

```
.text, #text, p{  
    color:rgb(43, 62, 41)  
}
```

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, 62, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 62, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 16.427, 140.068 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, 62, 41) }
```

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

```
.border{ border-color:rgb(43, 62, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 62, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 62, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 62, 41);  
box-shadow:4px 4px 4px 4px rgb(43, 62, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 16.427, 140.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 62, 41) }
```

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

```
.background{ background-color: rgb(43, 62,  
41) }
```

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