

Converting Colors

CIELCh(24, 17.132, 140.366)

Have a look what the booklet for
CIELCh(24, 17.132, 140.366)
contains.

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Color

CIELCh(24, 17.227, 140.073)

Conversions

Conversions Part 1

Format	Color
Hex	2A3E28
RGB	42, 62, 40
RGB Percent	16%, 24%, 16%
CMY	0.8350, 0.7566, 0.8429
CMYK	0.32, 0.00, 0.35, 0.76
HSL	115°, 22%, 20%
HSV	115°, 35%, 24%
XYZ	3.0682, 4.1002, 2.6431
YIQ	53.5120, -4.8580, -11.0820

Conversions

Conversions Part 2

Format	Color
R_{YB}	40, 62, 60
Decimal	2768424
CIE _{Lab}	24.00, -13.21, 11.06
CIE _{LCh}	24, 17.227, 140.073
Yxy	4.1002, 0.3127, 0.4179
Android (android.graphics.Color)	4280958504 (0xFF2A3E28)
YUV	53.5120, -6.6614, -10.0960
Hunter-Lab	20.2490, -8.3888, 6.4352

Details

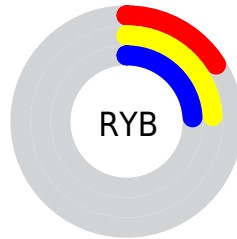
The CIELCh color **24, 17.227, 140.073** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **19, 17.321, 323.464**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 17.596, 139.969**, and **5, 12.165, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 21.982, 139.381**, and if you desaturate by 10%, it is **25, 12.377, 140.699**.

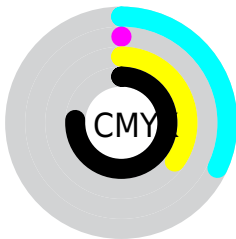
Distribution



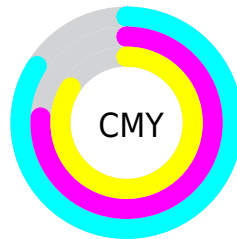
- Red (16%)
- Green (24%)
- Blue (16%)



- Red (16%)
- Yellow (24%)
- Blue (24%)



- Cyan (32%)
- Magenta (0%)
- Yellow (35%)
- Black (76%)





- Cyan (84%)
- Magenta (76%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 17.227, 140.073 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, 17.227, 140.073 by changing the saturation by 10% instead.

 24, 17.227,
140.073


 24, 17.227,
140.073

 100, 17.227,
140.073


 14, 17.227,
140.073


 44, 17.227,
140.073


 4, 17.227, 140.073

 54, 17.227,
140.073

 0, 17.227, 140.073

 64, 17.227,
140.073

 74, 17.227,
140.073

 84, 17.227,
140.073

 94, 17.227,

140.073

■ 24, 17.227,
140.073

■ 24, 17.227,
140.073

■ 24, 21.982,
139.381

■ 25, 12.377,
140.699

■ 23, 26.556,
138.633

■ 25, 7.494, 141.258

■ 23, 30.847,
137.856

■ 26, 2.628, 141.769

■ 27, 2.184, 322.105

■ 22, 34.727,
137.097

■ 27, 6.914, 322.506

■ 22, 38.004,
136.501

■ 28, 11.545,
322.831

■ 22, 40.889,
135.918

■ 29, 16.064,
323.109

■ 22, 42.199,
135.666

■ 30, 20.466,
323.349

■ 31, 24.746,
323.557

Harmonies

Complementary

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



24, 17.227, 140.073



19, 17.321, 323.464

Rectangle

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



24, 17.227, 140.073



24, 17.227, 190.073



24, 17.227, 320.073



24, 17.227, 10.073

Sweetspot

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



24, 17.228, 140.073



34, 6.687, 141.462



25, 12.929, 102.528



16, 4.417, 141.444



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, 17.228, 140.073



31, 26.126, 139.415



24, 13.221, 155.940



11, 2.650, 141.618



34, 57.228, 135.191



77, 107.305, 135.669

Inverse Universe

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



19, 17.321, 323.464



24, 26.273, 323.841



19, 13.510, 341.176



10, 2.659, 322.300



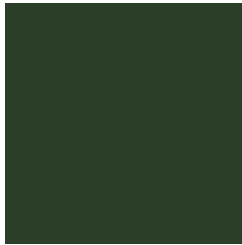
19, 56.139, 324.917



49, 104.649, 324.657

Previews

White Background



This preview shows how the CIELCh color 24, 17.227, 140.073 looks on a white background.

Color Contrast Check

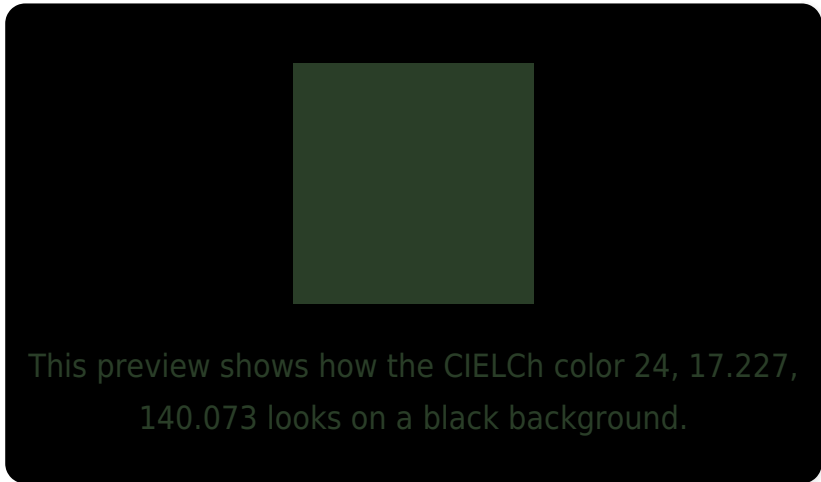
Large Text (above 18pt) WCAG AA ✓ Pass

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

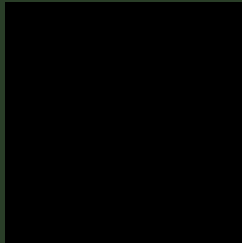
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 17.227, 140.073

Background



This preview shows how black text looks on a background with the CIELCh color 24, 17.227, 140.073.



This preview shows how white text looks on a background with the CIELCh color 24, 17.227, 140.073.

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

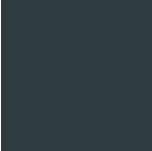
24, 17.227, 140.073

Protanopia

24, 12.723, 95.919

Deuteranopia

24, 10.584, 73.375



Tritanopia
24, 6.253, 230.833

Trichromacy



Original Color
24, 17.227, 140.073

Protanomaly
24, 13.203, 115.994

Deuteranomaly
24, 11.138, 107.745

Tritanomaly
24, 7.457, 171.644

Monochromacy



Original Color
24, 17.227, 140.073

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, 17.227, 140.073 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(42, 62, 40)` looks like.

```
.text, #text, p{  
    color:rgb(42, 62, 40)  
}
```

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(42, 62, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 62, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 17.227, 140.073 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(42, 62, 40) }
```

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

```
.border{ border-color:rgb(42, 62, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 62, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 62, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 62, 40);  
box-shadow:4px 4px 4px 4px rgb(42, 62, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 17.227, 140.073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 62, 40) }
```

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

```
.background{ background-color: rgb(42, 62,  
40) }
```

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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