

Converting Colors

CIELCh(24, 28.595, 157.815)

Have a look what the booklet for
CIELCh(24, 28.595, 157.815)
contains.

CIELCh(24, 28.332, 157.953)	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, 28.332, 157.953)

Conversions

Conversions Part 1

Format	Color
Hex	014228
RGB	1, 66, 40
RGB Percent	0%, 26%, 16%
CMY	0.9944, 0.7399, 0.8419
CMYK	0.98, 0.00, 0.39, 0.74
HSL	156°, 96%, 13%
HSV	156°, 98%, 26%
XYZ	2.3739, 4.1002, 2.7012
YIQ	43.6010, -30.3940, -21.8660

Conversions

Conversions Part 2

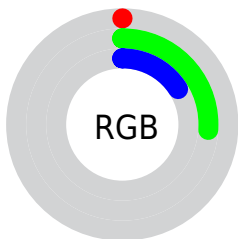
Format	Color
RYB	1, 42, 66
Decimal	82472
CIELab	24.00, -26.26, 10.63
CIELCh	24, 28.332, 157.953
Yxy	4.1002, 0.2587, 0.4469
Android (android.graphics.Color)	4278272552 (0xFF014228)
YUV	43.6010, -1.7753, -37.3611
Hunter-Lab	20.2490, -14.5094, 6.2650

Details

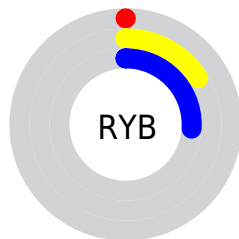
The CIELCh color **24, 28.332, 157.953** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **11, 31.540, 4.621**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 28.501, 157.449**, and **5, 13.016, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 28.801, 157.681**, and if you desaturate by 10%, it is **24, 26.172, 159.381**.

Distribution



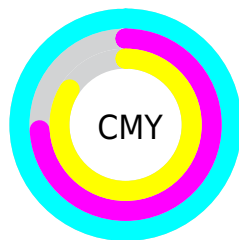
- Red (0%)
- Green (26%)
- Blue (16%)



- Red (0%)
- Yellow (16%)
- Blue (26%)



- Cyan (98%)
- Magenta (0%)
- Yellow (39%)
- Black (74%)




- Cyan (99%)
- Magenta (74%)
- Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 28.332, 157.953 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, 28.332, 157.953 by changing the saturation by 10% instead.

 24, 28.332,
157.953

 24, 28.332,
157.953

 100, 28.332,
157.953

 14, 28.332,
157.953


 44, 28.332,
157.953

 4, 28.332, 157.953

 54, 28.332,
157.953

 0, 28.332, 157.953

 64, 28.332,
157.953

 74, 28.332,
157.953

 84, 28.332,
157.953

 94, 28.332,

157.953

■ 24, 28.332,
157.953

■ 24, 28.332,
157.953

■ 24, 28.801,
157.681

■ 24, 26.172,
159.381

■ 24, 23.979,
160.987

■ 25, 21.517,
162.454

■ 25, 18.794,
163.775

■ 25, 15.848,
164.968

■ 26, 12.721,
166.048

■ 26, 9.458, 167.035

■ 27, 6.102, 167.947

■ 28, 2.693, 168.818

Harmonies

Complementary

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



24, 28.332, 157.953



11, 31.540, 4.621

Rectangle

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



24, 28.332, 157.953



24, 28.332, 207.953



24, 28.332, 337.953



24, 28.332, 27.953

Sweetspot

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



24, 28.332, 157.953



35, 12.273, 166.808



24, 40.695, 129.068



16, 8.274, 166.634



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, 28.332, 157.953



32, 35.143, 156.640



23, 17.199, 208.981



12, 1.904, 168.760



36, 38.213, 156.271



79, 72.936, 154.399

Inverse Universe

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



11, 31.540, 4.621



16, 38.474, 7.272



11, 32.443, 32.095



12, 1.934, 349.960



19, 41.573, 8.074



48, 77.094, 12.309

Previews

White Background



This preview shows how the CIELCh color 24, 28.332, 157.953 looks on a white background.

Color Contrast Check

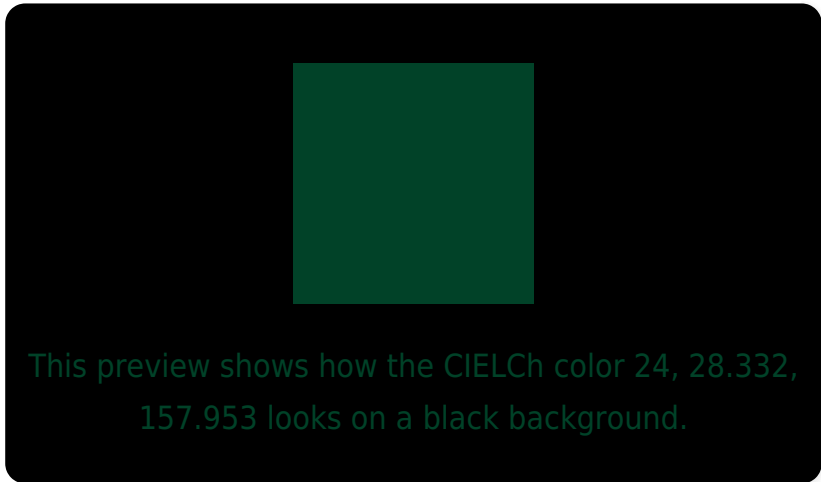
Large Text (above 18pt) WCAG AA ✓ Pass

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

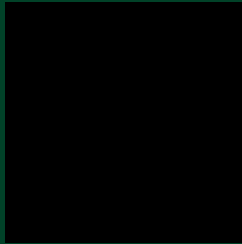
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 28.332, 157.953

Background



This preview shows how black text looks on a background with the CIELCh color 24, 28.332, 157.953.



This preview shows how white text looks on a background with the CIELCh color 24, 28.332, 157.953.

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, 28.332, 157.953

Protanopia

24, 13.471, 94.139

Deuteranopia

24, 10.360, 69.287



Tritanopia
24, 13.939, 211.155

Trichromacy



Original Color
24, 28.332, 157.953

Protanomaly
23, 17.067, 138.842

Deuteranomaly
23, 13.317, 139.812

Tritanomaly
24, 17.573, 183.283

Monochromacy



Original Color
24, 28.332, 157.953

Achromatopsia
18, 0.003, 296.813

Achromatomaly
20, 11.954, 166.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 28.332, 157.953 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(1, 66, 40)` looks like.

```
.text, #text, p{  
    color:rgb(1, 66, 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(1, 66, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 66, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 28.332, 157.953 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(1, 66, 40) }
```

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

```
.border{ border-color:rgb(1, 66, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 66, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 66, 40); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 66, 40); box-shadow:4px  
4px 4px 4px rgb(1, 66, 40) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 28.332, 157.953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 66, 40) }
```

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

```
.background{ background-color: rgb(1, 66,  
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](#).

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