

Converting Colors

CIELCh(12, 27.853, 140.946)

Have a look what the booklet for
CIELCh(12, 27.853, 140.946)
contains.

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Color

CIELCh(12, 27.624, 140.915)

Conversions

Conversions Part 1

Format	Color
Hex	042600
RGB	4, 38, 0
RGB Percent	2%, 15%, 0%
CMY	0.9845, 0.8513, 1.0000
CMYK	0.90, 0.00, 1.00, 0.85
HSL	114°, 100%, 7%
HSV	114°, 100%, 15%
XYZ	0.7392, 1.4064, 0.2289
YIQ	23.5020, -8.0660, -19.0260

Conversions

Conversions Part 2

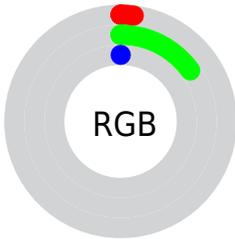
Format	Color
RYB	0, 38, 34
Decimal	271872
CIELab	12.00, -21.44, 17.42
CIELCh	12, 27.624, 140.915
Yxy	1.4064, 0.3113, 0.5923
Android (android.graphics.Color)	4278461952 (0xFF042600)
YUV	23.5020, -11.5865, -17.1033
Hunter-Lab	11.8591, -9.6265, 7.1571

Details

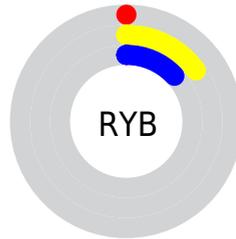
The CIELCh color **12, 27.624, 140.915** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **4, 27.687, 323.369**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **32, 27.929, 140.791**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 27.578, 140.967**, and if you desaturate by 10%, it is **12, 25.443, 140.693**.

Distribution



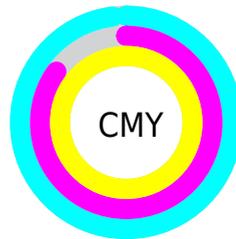
- Red (2%)
- Green (15%)
- Blue (0%)



- Red (0%)
- Yellow (15%)
- Blue (13%)



- Cyan (90%)
- Magenta (0%)
- Yellow (100%)
- Black (85%)



- Cyan (98%)
- Magenta (85%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 27.624, 140.915 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 12, 27.624, 140.915 by changing the saturation by 10% instead.

 12, 27.624,
140.915

 12, 27.624,
140.915

 100, 27.624,
140.915

 2, 27.624, 140.915

 32, 27.624,
140.915

 0, 27.624, 140.915

 42, 27.624,
140.915

 52, 27.624,
140.915

 62, 27.624,
140.915

 72, 27.624,
140.915

 82, 27.624,

140.915

 92, 27.624,
140.915

 12, 27.624,
140.915

 12, 27.624,
140.915

 12, 27.578,
140.967

 12, 25.443,
140.693

 12, 23.302,
140.367

 13, 21.117,
139.854

 13, 18.651,
139.400

 13, 15.854,
139.269

■ 13, 12.764,
139.723

■ 14, 9.581, 140.276

■ 14, 6.376, 140.777

■ 15, 3.174, 141.233

Harmonies

Complementary

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



12, 27.624, 140.915



4, 27.687, 323.369

Rectangle

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



12, 27.624, 140.915



12, 27.624, 190.915



12, 27.624, 320.915



12, 27.624, 10.915

Sweetspot

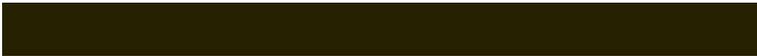
The Sweet Spot groups the original color and five complimentary colors.



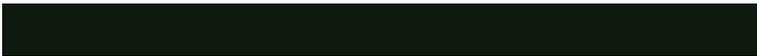
12, 27.578, 140.967



18, 11.798, 140.176



13, 19.039, 98.482



8, 7.427, 142.083



63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



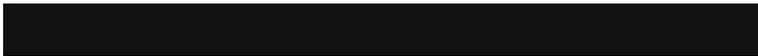
12, 27.578, 140.967



16, 34.324, 137.602



12, 23.174, 150.984



5, 1.213, 141.739



29, 51.586, 134.916



73, 102.508, 135.575

Inverse Universe

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



4, 27.687, 323.369



7, 35.776, 324.724



4, 21.096, 346.030



5, 1.213, 321.467



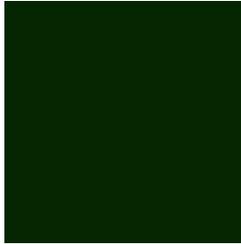
16, 50.837, 324.530



46, 100.219, 324.176

Previews

White Background



This preview shows how the CIELCh color 12, 27.624, 140.915 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

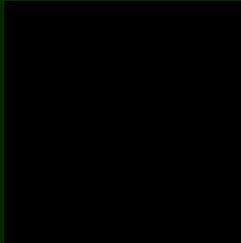
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 27.624, 140.915

Background



This preview shows how black text looks on a background with the CIELCh color 12, 27.624, 140.915.



This preview shows how white text looks on a background with the CIELCh color 12, 27.624, 140.915.

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](#).

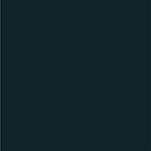
Dichromacy



Original Color
12, 27.624, 140.915

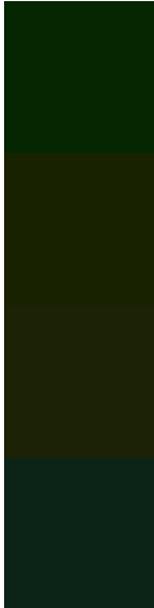
Protanopia
12, 18.093, 97.357

Deuteranopia
12, 15.220, 84.327



Tritanopia
12, 8.049, 213.435

Trichromacy



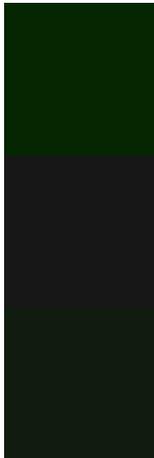
Original Color
12, 27.624, 140.915

Protanomaly
12, 20.029, 121.659

Deuteranomaly
12, 17.565, 117.872

Tritanomaly
12, 14.076, 158.214

Monochromacy



Original Color
12, 27.624, 140.915

Achromatopsia
8, 0.002, 296.812

Achromatomaly
9, 10.764, 142.684

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 27.624, 140.915 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(4, 38, 0)` looks like.

```
.text, #text, p{  
    color:rgb(4, 38, 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(4, 38, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 38, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 27.624, 140.915 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(4, 38, 0) }
```

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

```
.border{ border-color:rgb(4, 38, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 38, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 38, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(4, 38, 0); box-shadow:4px  
4px 4px 4px rgb(4, 38, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 27.624, 140.915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 38, 0) }
```

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

```
.background{ background-color: rgb(4, 38,  
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](#).

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