

Converting Colors

CIELCh(12, 26.420, 140.843)

Have a look what the booklet for
CIELCh(12, 26.420, 140.843)
contains.

CIELCh(12, 26.454, 140.658)	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(12, 26.454, 140.658)

Conversions

Conversions Part 1

Format	Color
Hex	062601
RGB	6, 38, 1
RGB Percent	2%, 15%, 0%
CMY	0.9774, 0.8522, 0.9942
CMYK	0.85, 0.00, 0.96, 0.85
HSL	113°, 92%, 8%
HSV	113°, 96%, 15%
XYZ	0.7632, 1.4064, 0.2740
YIQ	24.2140, -7.1950, -18.2910

Conversions

Conversions Part 2

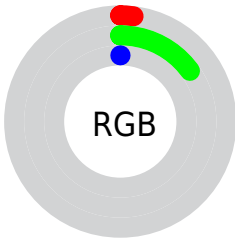
Format	Color
R_{YB}	1, 38, 33
Decimal	402945
CIE _{Lab}	12.00, -20.46, 16.77
CIE _{LCh}	12, 26.454, 140.658
Yxy	1.4064, 0.3123, 0.5755
Android (android.graphics.Color)	4278593025 (0xFF062601)
YUV	24.2140, -11.4445, -15.9737
Hunter-Lab	11.8591, -9.2652, 6.9314

Details

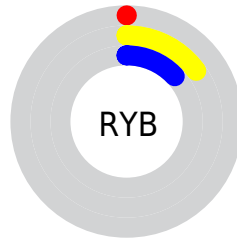
The CIELCh color **12, 26.454, 140.658** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **5, 26.556, 322.833**, and the grayscale version is **8, 0.002, 296.813**.

A 20% lighter version of the original color is **32, 26.965, 140.246**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 27.285, 140.754**, and if you desaturate by 10%, it is **12, 24.346, 140.379**.

Distribution



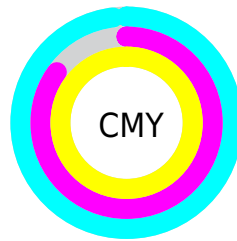
- Red (2%)
- Green (15%)
- Blue (0%)



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



- Cyan (85%)
- Magenta (0%)
- Yellow (96%)
- Black (85%)



- Cyan (98%)
- Magenta (85%)
- Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 26.454, 140.658 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, 26.454, 140.658 by changing the saturation by 10% instead.

■ 12, 26.454,
140.658

■ 12, 26.454,
140.658

■ 100, 26.454,
140.658

■ 2, 26.454, 140.658

■ 32, 26.454,
140.658

■ 0, 26.454, 140.658

■ 42, 26.454,
140.658


■ 52, 26.454,
140.658

■ 62, 26.454,
140.658


■ 72, 26.454,
140.658


■ 82, 26.454,


140.658


 92, 26.454,
140.658


 12, 26.454,
140.658


 12, 26.454,
140.658


 12, 27.285,
140.754

 12, 24.346,
140.379

 12, 22.218,
139.985

 13, 19.970,
139.406

 13, 17.401,
139.010

 13, 14.514,
139.039

■ 14, 11.396,
139.584

■ 14, 8.232, 140.103

■ 14, 5.057, 140.575

■ 15, 1.895, 141.015

Harmonies

Complementary

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



12, 26.454, 140.658



5, 26.556, 322.833

Rectangle

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



12, 26.454, 140.658



12, 26.454, 190.658



12, 26.454, 320.658



12, 26.454, 10.658

Sweetspot

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



12, 26.454, 140.658



19, 11.353, 139.859



13, 18.056, 97.483



8, 7.228, 141.728



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, 26.454, 140.658



16, 34.204, 137.346



12, 22.525, 150.508



5, 1.208, 141.353



30, 51.484, 134.766



73, 102.379, 135.483

Inverse Universe

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



5, 26.556, 322.833



7, 35.735, 324.241



5, 20.634, 344.639



5, 1.207, 321.054



15, 50.901, 324.042



45, 100.365, 323.643

Previews

White Background



This preview shows how the CIELCh color 12, 26.454, 140.658 looks on a white background.

Color Contrast Check

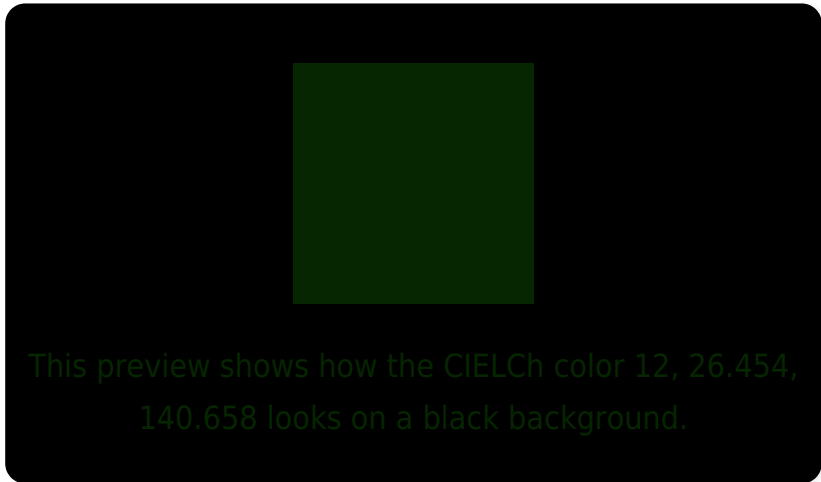
Large Text (above 18pt) WCAG AA ✓ Pass

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

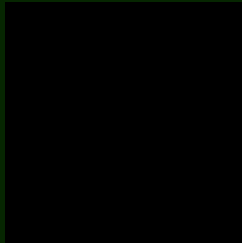
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 26.454, 140.658

Background



This preview shows how black text looks on a background with the CIELCh color 12, 26.454, 140.658.



This preview shows how white text looks on a background with the CIELCh color 12, 26.454, 140.658.

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, 26.827, 140.237](#)

Protanopia
[12, 17.996, 99.288](#)

Deuteranopia
[12, 15.220, 84.327](#)



Tritanopia
12, 7.729, 214.171

Trichromacy



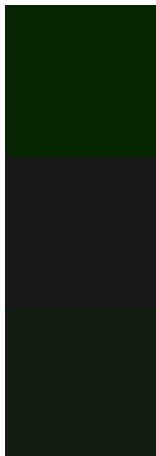
Original Color
12, 26.827, 140.237

Protanomaly
12, 19.627, 121.907

Deuteranomaly
12, 16.401, 116.949

Tritanomaly
12, 13.296, 159.652

Monochromacy



Original Color
12, 26.827, 140.237

Achromatopsia
8, 0.002, 296.813

Achromatomaly
9, 10.995, 142.393

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 26.454, 140.658 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(6, 38, 1)` looks like.

```
.text, #text, p{  
    color:rgb(6, 38, 1)  
}
```

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(6, 38, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 38, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 26.454, 140.658 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(6, 38, 1) }
```

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

```
.border{ border-color:rgb(6, 38, 1) }
```

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

Here you see how a box with a 4 pixel rgb(6, 38, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 38, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(6, 38, 1); box-shadow:4px  
4px 4px 4px rgb(6, 38, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 26.454, 140.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 38, 1) }
```

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

```
.background{ background-color: rgb(6, 38,  
1) }
```

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