

Converting Colors

CIELCh(14, 38.250, 161.029)

Have a look what the booklet for
CIELCh(14, 38.250, 161.029)
contains.

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Color

CIELCh(15, 27.335, 148.276)

Conversions

Conversions Part 1

Format	Color
Hex	002D10
RGB	0, 45, 16
RGB Percent	0%, 18%, 6%
CMY	1.0000, 0.8236, 0.9374
CMYK	1.00, 0.00, 0.65, 0.82
HSL	141°, 100%, 9%
HSV	141°, 100%, 18%
XYZ	1.0223, 1.9086, 0.8032
YIQ	28.2390, -17.5110, -18.5590

Conversions

Conversions Part 2

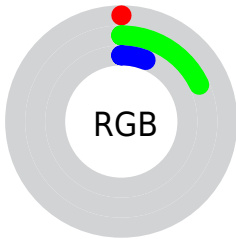
Format	Color
RYB	0, 33, 45
Decimal	11536
CIELab	15.00, -23.25, 14.37
CIELCh	15, 27.335, 148.276
Yxy	1.9086, 0.2738, 0.5111
Android (android.graphics.Color)	4278201616 (0xFF002D10)
YUV	28.2390, -6.0338, -24.7656
Hunter-Lab	13.8151, -10.9678, 6.2235

Details

The CIELCh color **15, 27.335, 148.276** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **6, 26.523, 344.469**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 26.586, 148.224**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 27.175, 147.976**, and if you desaturate by 10%, it is **15, 24.820, 148.458**.

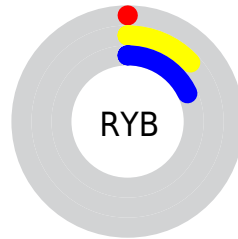
Distribution



Red (0%)

Green (18%)

Blue (6%)



Red (0%)

Yellow (13%)

Blue (18%)

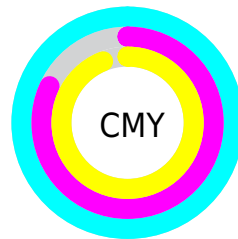


Cyan (100%)

Magenta (0%)

Yellow (65%)

Black (82%)



Cyan (100%)


Magenta (82%)


Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 27.335, 148.276 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 15, 27.335, 148.276 by changing the saturation by 10% instead.

 15, 27.335,
148.276


 15, 27.335,
148.276


 100, 27.335,
148.276


 5, 27.335, 148.276


 35, 27.335,
148.276

 0, 27.335, 148.276

 45, 27.335,
148.276


 55, 27.335,
148.276


 65, 27.335,
148.276


 75, 27.335,
148.276


 85, 27.335,

148.276

 95, 27.335,
148.276


 15, 27.335,
148.276


 15, 27.335,
148.276


 15, 27.175,
147.976

 15, 24.820,
148.458

 15, 22.418,
149.481

 16, 19.978,
150.734

 16, 17.370,
151.873

 16, 14.624,
152.892

■ 17, 11.775,
153.804

■ 17, 8.859, 154.622

■ 17, 5.906, 155.359

■ 18, 2.945, 156.038

Harmonies

Complementary

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



15, 27.335, 148.276



6, 26.523, 344.469

Rectangle

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



15, 27.335, 148.276



15, 27.335, 198.276



15, 27.335, 328.276



15, 27.335, 18.276

Sweetspot

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



15, 27.175, 147.976



23, 11.074, 154.485



16, 27.450, 122.578



10, 7.643, 154.435



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



15, 27.175, 147.976



21, 33.167, 146.317



16, 16.795, 179.401



7, 1.545, 156.196



31, 44.552, 144.754



75, 89.671, 142.729

Inverse Universe

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



6, 26.523, 344.469



9, 32.234, 345.483



5, 23.122, 13.521



7, 1.525, 336.990



17, 41.333, 347.046



47, 78.201, 349.402

Previews

White Background



This preview shows how the CIELCh color 15, 27.335, 148.276 looks on a white background.

Color Contrast Check

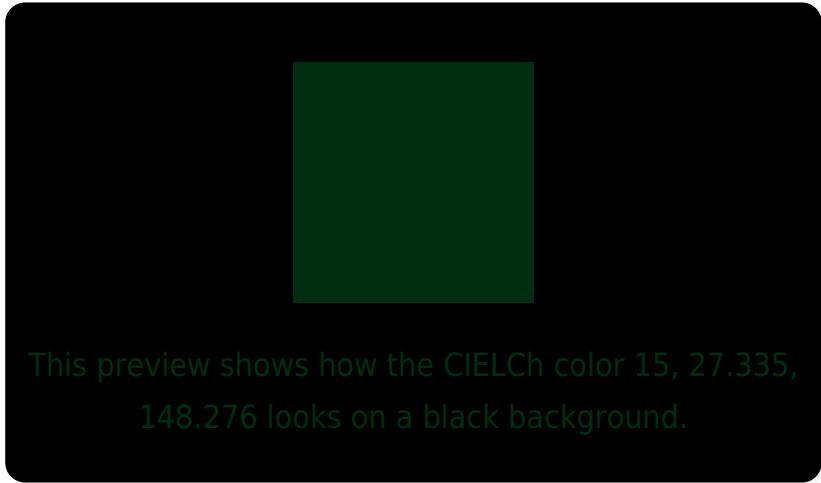
Large Text (above 18pt) WCAG AA ✓ Pass

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

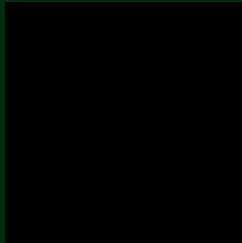
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 27.335, 148.276

Background



This preview shows how black text looks on a background with the CIELCh color 15, 27.335, 148.276.



This preview shows how white text looks on a background with the CIELCh color 15, 27.335, 148.276.

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


15, 27.165, 147.998

Protanopia

15, 16.737, 98.028

Deuteranopia

15, 14.056, 80.558



Tritanopia
15, 9.670, 214.652

Trichromacy



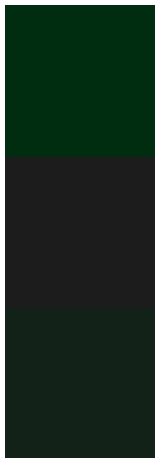
Original Color
15, 27.165, 147.998

Protanomaly
15, 18.899, 128.627

Deuteranomaly
15, 15.781, 123.798

Tritanomaly
15, 14.265, 172.934

Monochromacy



Original Color
15, 27.165, 147.998

Achromatopsia
10, 0.003, 296.813

Achromatomaly
12, 10.716, 154.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 27.335, 148.276 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(0, 45, 16)` looks like.

```
.text, #text, p{  
    color:rgb(0, 45, 16)  
}
```

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(0, 45, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 45, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 27.335, 148.276 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(0, 45, 16) }
```

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

```
.border{ border-color:rgb(0, 45, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 45, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 45, 16); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 45, 16); box-shadow:4px  
4px 4px 4px rgb(0, 45, 16) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 27.335, 148.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 45, 16) }
```

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

```
.background{ background-color: rgb(0, 45,  
16) }
```

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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