

Converting Colors

CIELCh(15, 31.393, 136.276)

Have a look what the booklet for
CIELCh(15, 31.393, 136.276)
contains.

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Color

CIELCh(15, 31.404, 136.651)

Conversions

Conversions Part 1

Format	Color
Hex	092D00
RGB	9, 45, 0
RGB Percent	4%, 18%, 0%
CMY	0.9656, 0.8248, 1.0000
CMYK	0.80, 0.00, 1.00, 0.82
HSL	108°, 100%, 9%
HSV	108°, 100%, 18%
XYZ	1.0339, 1.9086, 0.3010
YIQ	29.1060, -7.0110, -21.6270

Conversions

Conversions Part 2

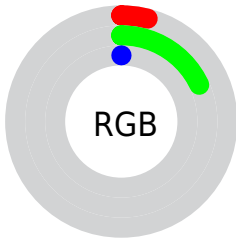
Format	Color
RYB	0, 45, 36
Decimal	601344
CIELab	15.00, -22.84, 21.56
CIELCh	15, 31.404, 136.651
Yxy	1.9086, 0.3188, 0.5884
Android (android.graphics.Color)	4278791424 (0xFF092D00)
YUV	29.1060, -14.3493, -17.6330
Hunter-Lab	13.8151, -10.8184, 8.3789

Details

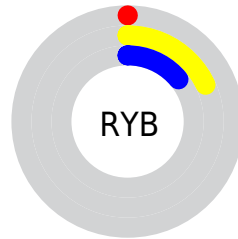
The CIELCh color **15, 31.404, 136.651** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **5, 32.627, 321.069**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 31.111, 136.732**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 31.236, 136.804**, and if you desaturate by 10%, it is **15, 28.927, 136.749**.

Distribution



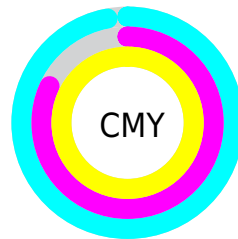
- Red (4%)
- Green (18%)
- Blue (0%)



- Red (0%)
- Yellow (18%)
- Blue (14%)



- Cyan (80%)
- Magenta (0%)
- Yellow (100%)
- Black (82%)





- Cyan (97%)
- Magenta (82%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 31.404, 136.651 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, 31.404, 136.651 by changing the saturation by 10% instead.

 15, 31.404,
136.651


 15, 31.404,
136.651


 100, 31.404,
136.651


 5, 31.404, 136.651


 35, 31.404,
136.651

 0, 31.404, 136.651

 45, 31.404,
136.651


 55, 31.404,
136.651


 65, 31.404,
136.651


 75, 31.404,
136.651


 85, 31.404,


136.651

 95, 31.404,
136.651


 15, 31.404,
136.651


 15, 31.404,
136.651


 15, 31.236,
136.804

 15, 28.927,
136.749

 15, 26.571,
136.488

 16, 24.052,
136.122

 16, 21.086,
136.125

 16, 17.733,
136.634

■ 17, 14.249,
137.172

■ 17, 10.699,
137.677

■ 17, 7.122, 138.141

■ 18, 3.547, 138.568

Harmonies

Complementary

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



15, 31.404, 136.651



5, 32.627, 321.069

Rectangle

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



15, 31.404, 136.651



15, 31.404, 186.651



15, 31.404, 316.651



15, 31.404, 6.651

Sweetspot

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



15, 31.236, 136.804



23, 13.456, 137.588



14, 21.121, 91.158



10, 9.213, 138.069



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, 31.236, 136.804



21, 39.517, 134.425



15, 28.085, 146.417



7, 1.860, 139.154



32, 53.069, 133.895



75, 103.280, 134.785

Inverse Universe

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



5, 32.627, 321.069



8, 41.164, 321.752



6, 27.309, 341.176



7, 1.856, 318.682



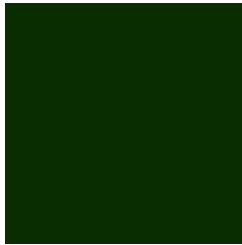
15, 53.529, 321.346



44, 103.224, 320.764

Previews

White Background



This preview shows how the CIELCh color 15, 31.404, 136.651 looks on a white background.

Color Contrast Check

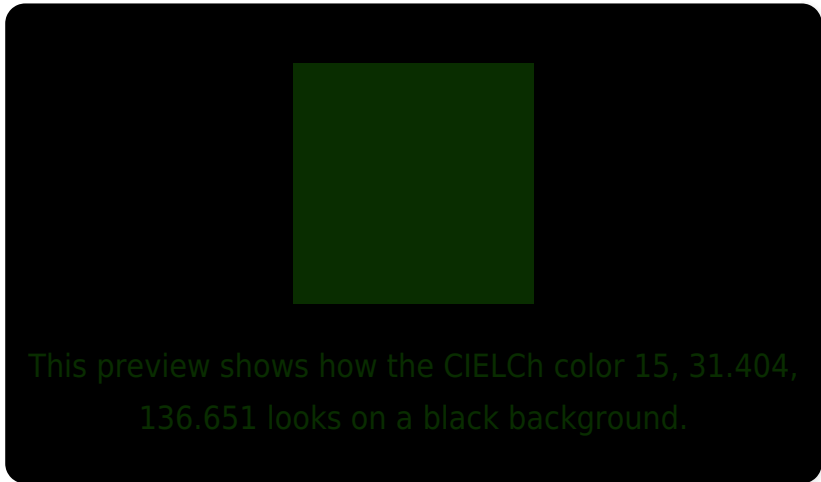
Large Text (above 18pt) WCAG AA ✓ Pass

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

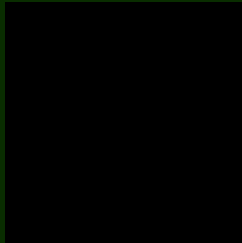
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 31.404, 136.651

Background



This preview shows how black text looks on a background with the CIELCh color 15, 31.404, 136.651.



This preview shows how white text looks on a background with the CIELCh color 15, 31.404, 136.651.

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

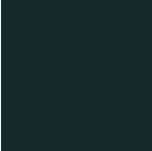
15, 31.404, 136.651

Protanopia

15, 22.004, 97.650

Deuteranopia

15, 18.067, 83.306



Tritanopia
15, 9.020, 211.282

Trichromacy



Original Color
15, 31.404, 136.651

Protanomaly
14, 23.612, 117.632

Deuteranomaly
14, 20.170, 113.524

Tritanomaly
15, 15.695, 157.371

Monochromacy



Original Color
15, 31.404, 136.651

Achromatopsia
11, 0.003, 296.813

Achromatomaly
12, 13.738, 136.295

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 31.404, 136.651 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(9, 45, 0)` looks like.

```
.text, #text, p{  
    color:rgb(9, 45, 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(9, 45, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 45, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 31.404, 136.651 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(9, 45, 0) }
```

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

```
.border{ border-color:rgb(9, 45, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 45, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 45, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(9, 45, 0); box-shadow:4px  
4px 4px 4px rgb(9, 45, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 31.404, 136.651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 45, 0) }
```

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

```
.background{ background-color: rgb(9, 45,  
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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