

Converting Colors

CIELCh(12, 38.182, 266.246)

Have a look what the booklet for
CIELCh(12, 38.182, 266.246)
contains.

CIELCh(15, 34.613, 287.088)	3
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Color

CIELCh(15, 34.613, 287.088)

Conversions

Conversions Part 1

Format	Color
Hex	002455
RGB	0, 36, 85
RGB Percent	0%, 14%, 33%
CMY	1.0000, 0.8592, 0.6671
CMYK	1.00, 0.58, 0.00, 0.67
HSL	215°, 100%, 17%
HSV	215°, 100%, 33%
XYZ	2.2606, 1.9086, 8.8190
YIQ	30.8220, -37.1850, 7.6070

Conversions

Conversions Part 2

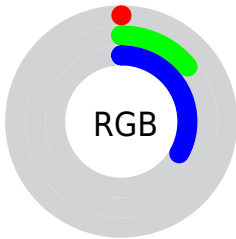
Format	Color
RYB	0, 25, 85
Decimal	9301
CIELab	15.00, 10.17, -33.08
CIELCh	15, 34.613, 287.088
Yxy	1.9086, 0.1741, 0.1469
Android (android.graphics.Color)	4278199381 (0xFF002455)
YUV	30.8220, 26.7098, -27.0309
Hunter-Lab	13.8151, 5.0320, -28.1776

Details

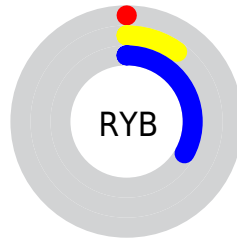
The CIELCh color **15, 34.613, 287.088** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **24, 36.014, 69.628**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 34.385, 287.113**, and **2, 22.832, 290.769** is the 20% darker color. If you saturate the color by 10%, you get **15, 34.609, 287.126**, and if you desaturate by 10%, it is **17, 30.912, 283.927**.

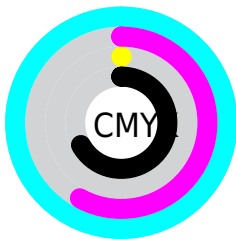
Distribution



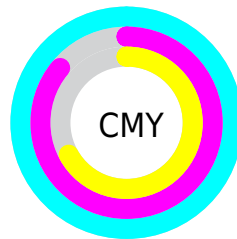
- Red (0%)
- Green (14%)
- Blue (33%)



- Red (0%)
- Yellow (10%)
- Blue (33%)



- Cyan (100%)
- Magenta (58%)
- Yellow (0%)
- Black (67%)



- Cyan (100%)
- Magenta (86%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 34.613, 287.088 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, 34.613, 287.088 by changing the saturation by 10% instead.

■ 15, 34.613,
287.088

■ 15, 34.613,
287.088

■ 100, 34.613,
287.088

■ 5, 34.613, 287.088

■ 35, 34.613,
287.088

■ 0, 34.613, 287.088

■ 45, 34.613,
287.088


■ 55, 34.613,
287.088

■ 65, 34.613,
287.088


■ 75, 34.613,
287.088


■ 85, 34.613,


287.088


 95, 34.613,
287.088


 15, 34.613,
287.088


 15, 34.613,
287.088


 15, 34.609,
287.126

 17, 30.912,
283.927

 19, 27.358,
280.376

 21, 23.873,
277.113

 23, 20.432,
274.206

 25, 17.013,
271.661

■ 27, 13.603,
269.458

■ 29, 10.195,
267.561

■ 32, 6.791, 265.932

■ 34, 3.392, 264.545

Harmonies

Complementary

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



15, 34.613, 287.088



24, 36.014, 69.628

Rectangle

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



15, 34.613, 287.088



15, 34.613, 337.088



15, 34.613, 107.088



15, 34.613, 157.088

Sweetspot

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



15, 34.609, 287.126



38, 12.595, 267.736



31, 35.832, 154.768



18, 8.664, 268.203



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



15, 34.609, 287.126



20, 42.816, 288.633



6, 59.048, 306.422



16, 1.932, 264.396



20, 41.989, 288.509



46, 79.974, 291.399

Inverse Universe

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



16, 37.929, 5.146



22, 45.337, 6.853



34, 43.648, 106.643



16, 2.468, 348.677



21, 44.587, 6.709



50, 79.453, 10.294

Previews

White Background



This preview shows how the CIE LCh color 15, 34.613, 287.088 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



This preview shows how the CIELCh color 15, 34.613, 287.088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

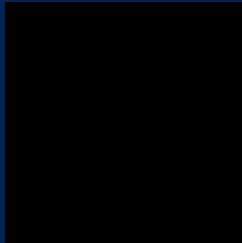
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 34.613, 287.088

Background



This preview shows how black text looks on a background with the CIELCh color 15, 34.613, 287.088.



This preview shows how white text looks on a background with the CIELCh color 15, 34.613, 287.088.

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, 34.613, 287.088

Protanopia

15, 30.010, 282.635

Deuteranopia

15, 21.350, 267.572



Tritanopia
15, 14.060, 205.360

Trichromacy



Original Color
15, 34.613, 287.088

Protanomaly
15, 31.298, 283.891

Deuteranomaly
15, 25.508, 276.014

Tritanomaly
15, 17.192, 254.358

Monochromacy



Original Color
15, 34.613, 287.088

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 13.586, 273.363

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 34.613, 287.088 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, 36, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 36, 85)  
}
```

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, 36, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 36, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 34.613, 287.088 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, 36, 85) }
```

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

```
.border{ border-color:rgb(0, 36, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 36, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 36, 85); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 36, 85); box-shadow:4px  
4px 4px 4px rgb(0, 36, 85) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 34.613, 287.088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 36, 85) }
```

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

```
.background{ background-color: rgb(0, 36,  
85) }
```

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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