

Converting Colors

CIELCh(15, 43.303, 304.967)

Have a look what the booklet for
CIELCh(15, 43.303, 304.967)
contains.

CIELCh(15, 43.700, 305.161)	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(15, 43.700, 305.161)

Conversions

Conversions Part 1

Format	Color
Hex	281A59
RGB	40, 26, 89
RGB Percent	16%, 10%, 35%
CMY	0.8433, 0.8982, 0.6511
CMYK	0.55, 0.71, 0.00, 0.65
HSL	253°, 55%, 23%
HSV	253°, 71%, 35%
XYZ	3.0442, 1.9086, 9.6515
YIQ	37.3680, -11.8790, 22.5610

Conversions

Conversions Part 2

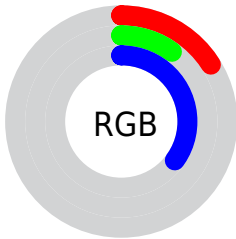
Format	Color
RYB	40, 26, 89
Decimal	2628185
CIELab	15.00, 25.17, -35.73
CIELCh	15, 43.700, 305.161
Yxy	1.9086, 0.2084, 0.1307
Android (android.graphics.Color)	4280818265 (0xFF281A59)
YUV	37.3680, 25.4546, 2.3083
Hunter-Lab	13.8151, 15.1560, -31.7504

Details

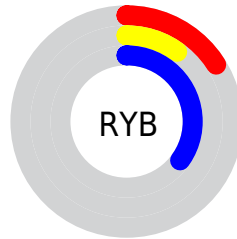
The CIELCh color **15, 43.700, 305.161** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **35, 36.763, 115.007**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 44.105, 305.457**, and **2, 26.506, 293.598** is the 20% darker color. If you saturate the color by 10%, you get **12, 49.821, 306.168**, and if you desaturate by 10%, it is **18, 37.234, 304.074**.

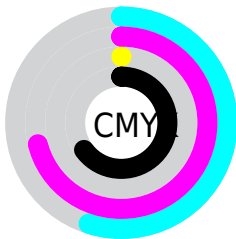
Distribution



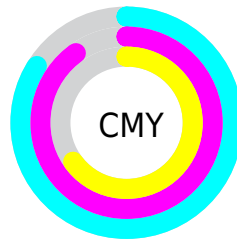
- Red (16%)
- Green (10%)
- Blue (35%)



- Red (16%)
- Yellow (10%)
- Blue (35%)



- Cyan (55%)
- Magenta (71%)
- Yellow (0%)
- Black (65%)



- Cyan (84%)
- Magenta (90%)
- Yellow (65%)
- Black (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 43.700, 305.161 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, 43.700, 305.161 by changing the saturation by 10% instead.

■ 15, 43.700,
305.161

■ 15, 43.700,
305.161

■ 100, 43.700,
305.161

■ 5, 43.700, 305.161

■ 35, 43.700,
305.161

■ 0, 43.700, 305.161

■ 45, 43.700,
305.161


■ 55, 43.700,
305.161


■ 65, 43.700,
305.161


■ 75, 43.700,
305.161


■ 85, 43.700,


305.161


 95, 43.700,
305.161


 15, 43.700,
305.161

 15, 43.700,
305.161


 12, 49.821,
306.168


 18, 37.234,
304.074


 10, 55.174,
306.971

 21, 30.711,
303.000

 8, 60.463, 308.039

 24, 24.284,
301.991

 28, 18.027,
301.073

 31, 11.967,
300.253

■ 34, 6.110, 299.528

■ 38, 0.454, 298.870

■ 41, 5.010, 118.341

■ 44, 10.293,
117.856

Harmonies

Complementary

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



15, 43.700, 305.161



35, 36.763, 115.007

Rectangle

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



15, 43.700, 305.161



15, 43.700, 355.161



15, 43.700, 125.161



15, 43.700, 175.161

Sweetspot

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



15, 43.700, 305.162



40, 14.918, 300.319



29, 17.331, 228.216



19, 10.208, 300.453



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



15, 43.700, 305.162



16, 64.079, 306.739



19, 43.461, 318.714



16, 3.086, 299.389



11, 69.030, 307.845



31, 123.582, 307.348

Inverse Universe

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



21, 38.172, 335.997



26, 51.641, 337.436



33, 41.828, 132.925



16, 3.157, 331.790



23, 51.829, 338.857



53, 91.187, 339.754

Previews

White Background



This preview shows how the CIE LCh color 15, 43.700, 305.161 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 CIE LCh color 15, 43.700, 305.161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

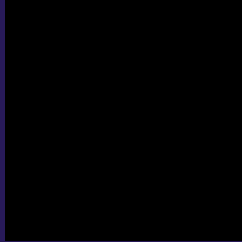
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 43.700, 305.161

Background



This preview shows how black text looks on a background with the CIELCh color 15, 43.700, 305.161.



This preview shows how white text looks on a background with the CIELCh color 15, 43.700, 305.161.

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

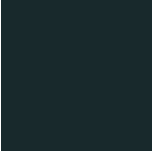
15, 43.700, 305.161

Protanopia

15, 29.368, 281.965

Deuteranopia

15, 21.329, 268.264



Tritanopia
15, 7.382, 214.740

Trichromacy



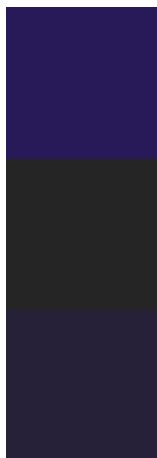
Original Color
15, 43.700, 305.161

Protanomaly
14, 34.576, 291.835

Deuteranomaly
14, 29.162, 288.037

Tritanomaly
15, 17.039, 287.235

Monochromacy



Original Color
15, 43.700, 305.161

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 16.537, 301.571

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 43.700, 305.161 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(40, 26, 89)` looks like.

```
.text, #text, p{  
    color:rgb(40, 26, 89)  
}
```

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(40, 26, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 26, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 43.700, 305.161 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(40, 26, 89) }
```

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

```
.border{ border-color:rgb(40, 26, 89) }
```

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

Here you see how a box with a 4 pixel rgb(40, 26, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 26, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 26, 89);  
box-shadow:4px 4px 4px 4px rgb(40, 26, 89)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 43.700, 305.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 26, 89) }
```

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

```
.background{ background-color: rgb(40, 26,  
89) }
```

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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