

Converting Colors

CIELCh(15, 30.165, 310.395)

Have a look what the booklet for
CIELCh(15, 30.165, 310.395)
contains.

CIELCh(15, 30.199, 310.343)	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, 30.199, 310.343)

Conversions

Conversions Part 1

Format	Color
Hex	2F1C46
RGB	47, 28, 70
RGB Percent	18%, 11%, 27%
CMY	0.8141, 0.8888, 0.7239
CMYK	0.33, 0.60, 0.00, 0.72
HSL	267°, 43%, 19%
HSV	267°, 60%, 28%
XYZ	2.7325, 1.9086, 6.0851
YIQ	38.4690, -2.1580, 17.0900

Conversions

Conversions Part 2

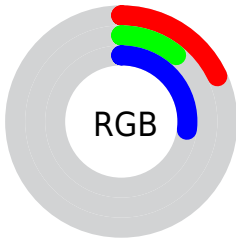
Format	Color
RYB	47, 28, 70
Decimal	3087430
CIELab	15.00, 19.55, -23.02
CIElCh	15, 30.199, 310.343
Yxy	1.9086, 0.2547, 0.1779
Android (android.graphics.Color)	4281277510 (0xFF2F1C46)
YUV	38.4690, 15.5448, 7.4817
Hunter-Lab	13.8151, 11.1284, -16.4445

Details

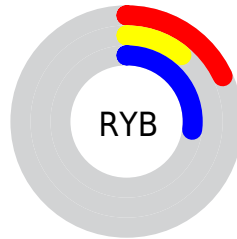
The CIELCh color **15, 30.199, 310.343** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **27, 27.622, 124.927**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 30.608, 310.601**, and **1, 13.319, 288.988** is the 20% darker color. If you saturate the color by 10%, you get **13, 35.246, 310.824**, and if you desaturate by 10%, it is **17, 25.009, 309.814**.

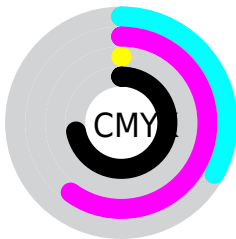
Distribution



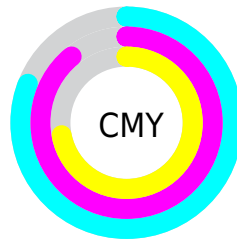
- Red (18%)
- Green (11%)
- Blue (27%)



- Red (18%)
- Yellow (11%)
- Blue (27%)



- Cyan (33%)
- Magenta (60%)
- Yellow (0%)
- Black (72%)





- Cyan (81%)
- Magenta (89%)
- Yellow (72%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 30.199, 310.343 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, 30.199, 310.343 by changing the saturation by 10% instead.

 15, 30.199,
310.343


 15, 30.199,
310.343


 100, 30.199,
310.343


 5, 30.199, 310.343


 35, 30.199,
310.343

 0, 30.199, 310.343

 45, 30.199,
310.343


 55, 30.199,
310.343


 65, 30.199,
310.343


 75, 30.199,
310.343


 85, 30.199,


310.343


 95, 30.199,
310.343


 15, 30.199,
310.343

 15, 30.199,
310.343


 13, 35.246,
310.824

 17, 25.009,
309.814

 11, 39.962,
311.200

 20, 19.802,
309.276

 9, 44.212, 311.450

 22, 14.650,
308.753

 7, 48.872, 311.936

 25, 9.598, 308.258

 7, 49.003, 311.948

 27, 4.668, 307.797

 30, 0.129, 127.767

■ 33, 4.792, 127.026

■ 35, 9.321, 126.686

■ 38, 13.720,
126.385

Harmonies

Complementary

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



15, 30.199, 310.343



27, 27.622, 124.927

Rectangle

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



15, 30.199, 310.343



15, 30.199, 0.343



15, 30.199, 130.343



15, 30.199, 180.343

Sweetspot

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



15, 30.198, 310.343



33, 10.907, 308.211



20, 14.746, 259.911



15, 7.483, 308.282



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



15, 30.198, 310.343



17, 45.225, 311.037



18, 31.819, 325.649



13, 2.705, 307.747



12, 62.768, 311.540



35, 115.599, 310.730

Inverse Universe

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



17, 23.956, 346.625



21, 34.498, 348.826



26, 31.871, 139.046



13, 2.270, 341.745



20, 43.328, 355.257



49, 78.318, 358.143

Previews

White Background



This preview shows how the CIELCh color 15, 30.199, 310.343 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, 30.199, 310.343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

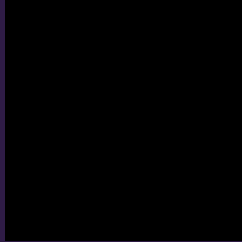
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 30.199, 310.343

Background



This preview shows how black text looks on a background with the CIELCh color 15, 30.199, 310.343.



This preview shows how white text looks on a background with the CIELCh color 15, 30.199, 310.343.

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, 30.199, 310.343

Protanopia

15, 29.368, 281.965

Deuteranopia

15, 21.419, 273.269



Tritanopia
15, 2.879, 332.803

Trichromacy



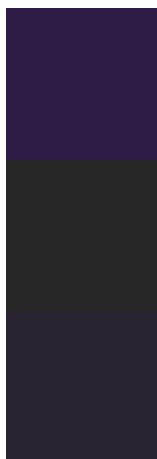
Original Color
15, 30.199, 310.343

Protanomaly
14, 29.110, 288.771

Deuteranomaly
14, 24.155, 287.639

Tritanomaly
15, 12.721, 311.390

Monochromacy



Original Color
15, 30.199, 310.343

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 11.104, 309.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 30.199, 310.343 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(47, 28, 70)` looks like.

```
.text, #text, p{  
    color:rgb(47, 28, 70)  
}
```

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(47, 28, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 28, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 30.199, 310.343 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(47, 28, 70) }
```

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

```
.border{ border-color:rgb(47, 28, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 28, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 28, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 28, 70);  
box-shadow:4px 4px 4px 4px rgb(47, 28, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 30.199, 310.343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 28, 70) }
```

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

```
.background{ background-color: rgb(47, 28,  
70) }
```

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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