

Converting Colors

CIELCh(15, 29.424, 9.650)

Have a look what the booklet for
CIELCh(15, 29.424, 9.650) contains.

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Color

CIELCh(15, 29.312, 9.402)

Conversions

Conversions Part 1

Format	Color
Hex	4A0F20
RGB	74, 15, 32
RGB Percent	29%, 6%, 13%
CMY	0.7094, 0.9408, 0.8742
CMYK	0.00, 0.80, 0.57, 0.71
HSL	343°, 66%, 17%
HSV	343°, 80%, 29%
XYZ	3.2651, 1.9086, 1.5681
YIQ	34.5790, 29.7070, 17.7950

Conversions

Conversions Part 2

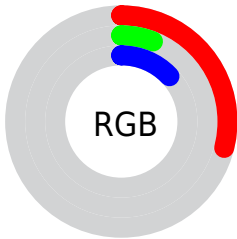
Format	Color
RYB	74, 15, 32
Decimal	4853536
CIELab	15.00, 28.92, 4.79
CIElCh	15, 29.312, 9.402
Yxy	1.9086, 0.4843, 0.2831
Android (android.graphics.Color)	4283043616 (0xFF4A0F20)
YUV	34.5790, -1.2714, 34.5722
Hunter-Lab	13.8151, 18.0109, 2.9407




Details

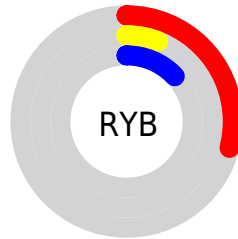
The CIELCh color **15, 29.312, 9.402** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **28, 23.754, 168.216**, and the grayscale version is **14, 0.003, 296.813**.




A 20% lighter version of the original color is **35, 29.059, 9.283**, and **1, 5.120, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 32.039, 12.788**, and if you desaturate by 10%, it is **16, 26.139, 6.608**.

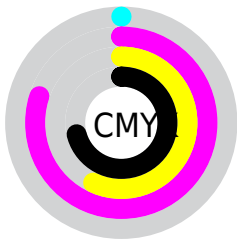
Distribution







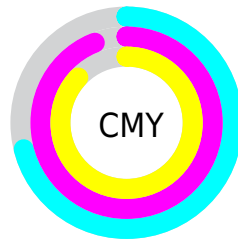
-  Red (29%)
-  Green (6%)
-  Blue (13%)






-  Red (29%)
-  Yellow (6%)
-  Blue (13%)



-  Cyan (0%)
-  Magenta (80%)
-  Yellow (57%)
-  Black (71%)



-  Cyan (71%)
-  Magenta (94%)
-  Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 29.312, 9.402 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, 29.312, 9.402 by changing the saturation by 10% instead.

 15, 29.312, 9.402  15, 29.312, 9.402

 100, 29.312, 9.402  5, 29.312, 9.402

 35, 29.312, 9.402  0, 29.312, 9.402

 45, 29.312, 9.402


 55, 29.312, 9.402

 65, 29.312, 9.402

 75, 29.312, 9.402

 85, 29.312, 9.402

 95, 29.312, 9.402

 15, 29.312, 9.402  15, 29.312, 9.402

14, 32.039, 12.788

16, 26.139, 6.608

13, 34.978, 15.764

18, 22.589, 4.345

13, 35.096, 15.849

20, 18.802, 2.498

22, 14.908, 0.966

24, 11.009,
359.673

27, 7.176, 358.558

29, 3.455, 357.564

32, 0.131, 178.600

34, 3.571, 176.099

Harmonies

Complementary

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



15, 29.312, 9.402



28, 23.754, 168.216

Rectangle

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



15, 29.312, 9.402



15, 29.312, 59.402



15, 29.312, 189.402



15, 29.312, 239.402

Sweetspot

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



15, 29.310, 9.404



34, 11.061, 359.131



14, 41.237, 318.258



15, 7.517, 359.336



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



15, 29.310, 9.404



19, 41.309, 16.812



17, 28.615, 40.995



14, 2.054, 357.474



20, 44.225, 18.698



48, 81.886, 23.086

Inverse Universe

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



15, 29.310, 9.404



19, 41.309, 16.812



24, 16.087, 226.804



14, 2.054, 357.474



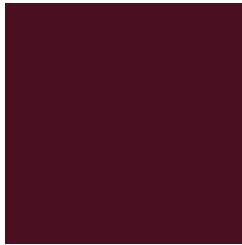
20, 44.225, 18.698



48, 81.886, 23.086

Previews

White Background



This preview shows how the CIELCh color 15, 29.312, 9.402 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, 29.312, 9.402

Background



This preview shows how black text looks on a background with the CIELCh color 15, 29.312, 9.402.



This preview shows how white text looks on a background with the CIELCh color 15, 29.312, 9.402.

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, 29.312, 9.402

Protanopia

16, 2.832, 281.517

Deuteranopia

16, 7.961, 71.509



Tritanopia
15, 30.125, 28.419

Trichromacy



Original Color

15, 29.312, 9.402

Protanomaly

15, 11.981, 351.201

Deuteranomaly

15, 14.345, 23.394

Tritanomaly

15, 29.372, 21.529

Monochromacy



Original Color

15, 29.312, 9.402

Achromatopsia

14, 0.003, 296.813

Achromatomaly

13, 11.396, 1.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 29.312, 9.402 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(74, 15, 32)` looks like.

```
.text, #text, p{  
    color:rgb(74, 15, 32)  
}
```

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(74, 15, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 15, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 29.312, 9.402 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(74, 15, 32) }
```

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

```
.border{ border-color:rgb(74, 15, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 15, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 15, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 15, 32);  
box-shadow:4px 4px 4px 4px rgb(74, 15, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 29.312, 9.402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 15, 32) }
```

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

```
.background{ background-color: rgb(74, 15,  
32) }
```

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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