

Converting Colors

CIELCh(15, 36.180, 29.165)

Have a look what the booklet for
CIELCh(15, 36.180, 29.165) contains.

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Color

CIELCh(15, 36.112, 29.097)

Conversions

Conversions Part 1

Format	Color
Hex	4F090D
RGB	79, 9, 13
RGB Percent	31%, 4%, 5%
CMY	0.6890, 0.9633, 0.9477
CMYK	0.00, 0.88, 0.83, 0.69
HSL	357°, 79%, 17%
HSV	357°, 88%, 31%
XYZ	3.4266, 1.9086, 0.5804
YIQ	30.3860, 40.4360, 16.0840

Conversions

Conversions Part 2

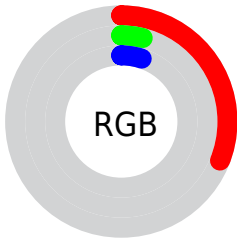
Format	Color
R_{YB}	79, 9, 13
Decimal	5179661
CIE Lab	15.00, 31.55, 17.56
CIE LCh	15, 36.112, 29.097
Yxy	1.9086, 0.5793, 0.3226
Android (android.graphics.Color)	4283369741 (0xFF4F090D)
YUV	30.3860, -8.5713, 42.6345
Hunter-Lab	13.8151, 20.0972, 7.1799

Details

The CIELCh color **15, 36.112, 29.097** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **30, 21.279, 189.406**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 35.934, 28.724**, and **1, 6.850, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 39.151, 29.643**, and if you desaturate by 10%, it is **16, 32.468, 26.931**.

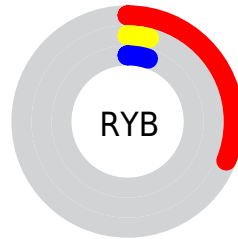
Distribution



Red (31%)

Green (4%)

Blue (5%)



Red (31%)

Yellow (4%)

Blue (5%)

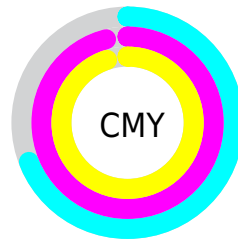


Cyan (0%)

Magenta (88%)

Yellow (83%)

Black (69%)



Cyan (69%)

Magenta (96%)

Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 15, 36.112, 29.097 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, 36.112, 29.097 by changing the saturation by 10% instead.

 15, 36.112, 29.097

 15, 36.112, 29.097

 100, 36.112,
29.097

 5, 36.112, 29.097

 35, 36.112, 29.097

 0, 36.112, 29.097

 45, 36.112, 29.097

 55, 36.112, 29.097

 65, 36.112, 29.097

 75, 36.112, 29.097

 85, 36.112, 29.097

 95, 36.112, 29.097

■ 15, 36.112, 29.097

■ 15, 36.112, 29.097

■ 14, 39.151, 29.643

■ 16, 32.468, 26.931

■ 14, 39.709, 29.663

■ 18, 28.111, 24.013

■ 20, 23.632, 21.631

■ 22, 19.160, 19.726

■ 24, 14.794, 18.207

■ 26, 10.604, 16.987

■ 29, 6.632, 15.991

■ 32, 2.892, 15.136

■ 34, 0.615, 195.026

Harmonies

Complementary

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



15, 36.112, 29.097



30, 21.279, 189.406

Rectangle

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



15, 36.112, 29.097



15, 36.112, 79.097



15, 36.112, 209.097



15, 36.112, 259.097

Sweetspot

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



15, 36.111, 29.100



35, 11.993, 16.846



17, 46.304, 325.741



16, 8.070, 17.033



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



15, 36.111, 29.100



19, 49.304, 33.692



21, 30.756, 58.594



15, 2.023, 15.184



20, 50.351, 34.008



49, 95.126, 38.258

Inverse Universe

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



15, 36.111, 29.100



19, 49.304, 33.692



19, 22.384, 267.664



15, 2.023, 15.184



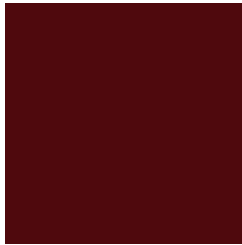
20, 50.351, 34.008



49, 95.126, 38.258

Previews

White Background



This preview shows how the CIE LCh color 15, 36.112, 29.097 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

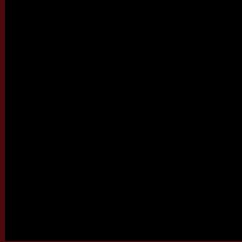
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 36.112, 29.097

Background



This preview shows how black text looks on a background with the CIELCh color 15, 36.112, 29.097.

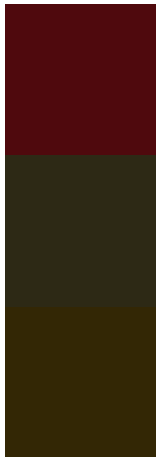


This preview shows how white text looks on a background with the CIELCh color 15, 36.112, 29.097.

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, 36.112, 29.097

Protanopia

16, 13.870, 97.366

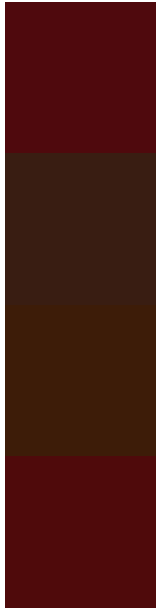
Deuteranopia

16, 21.767, 86.490



Tritanopia
15, 36.614, 31.965

Trichromacy



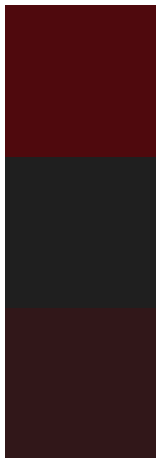
Original Color
15, 36.112, 29.097

Protanomaly
14, 18.199, 46.980

Deuteranomaly
15, 23.527, 52.422

Tritanomaly
15, 36.265, 30.837

Monochromacy



Original Color
15, 36.112, 29.097

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 14.061, 18.290

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 36.112, 29.097 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(79, 9, 13)` looks like.

```
.text, #text, p{  
    color:rgb(79, 9, 13)  
}
```

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(79, 9, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 9, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 36.112, 29.097 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(79, 9, 13) }
```

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

```
.border{ border-color:rgb(79, 9, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 9, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 9, 13); -webkit-box-shadow:4px  
4px 4px 4px rgb(79, 9, 13); box-shadow:4px  
4px 4px 4px rgb(79, 9, 13) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 36.112, 29.097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 9, 13) }
```

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

```
.background{ background-color: rgb(79, 9,  
13) }
```

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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