

Converting Colors

CIELCh(10, 29.757, 14.910)

Have a look what the booklet for
CIELCh(10, 29.757, 14.910) contains.

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Color

CIELCh(10, 29.630, 14.911)

Conversions

Conversions Part 1

Format	Color
Hex	3E0312
RGB	62, 3, 18
RGB Percent	24%, 1%, 7%
CMY	0.7574, 0.9886, 0.9299
CMYK	0.00, 0.95, 0.71, 0.76
HSL	345°, 91%, 13%
HSV	345°, 95%, 24%
XYZ	2.1180, 1.1260, 0.6724
YIQ	22.3510, 30.3490, 17.1730

Conversions

Conversions Part 2

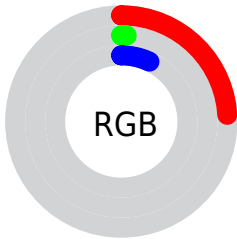
Format	Color
RYB	62, 3, 18
Decimal	4064018
CIELab	10.00, 28.63, 7.62
CIElCh	10, 29.630, 14.911
Yxy	1.1260, 0.5408, 0.2875
Android (android.graphics.Color)	4282254098 (0xFF3E0312)
YUV	22.3510, -2.1450, 34.7722
Hunter-Lab	10.6114, 17.0577, 3.6713

Details

The CIELCh color **10, 29.630, 14.911** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **22, 22.484, 169.144**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **30, 29.762, 15.138**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **9, 30.989, 15.141**, and if you desaturate by 10%, it is **11, 26.900, 13.113**.

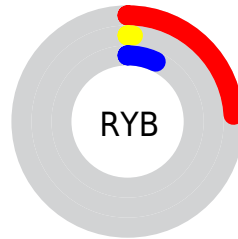
Distribution



Red (24%)

Green (1%)

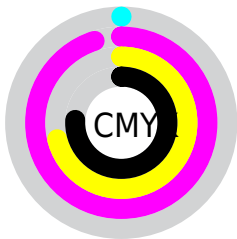
Blue (7%)



Red (24%)

Yellow (1%)

Blue (7%)

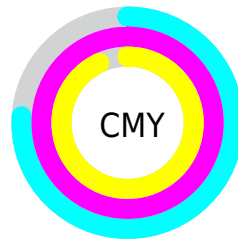


Cyan (0%)

Magenta (95%)

Yellow (71%)

Black (76%)



Cyan (76%)

Magenta (99%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 10, 29.630, 14.911 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 10, 29.630, 14.911 by changing the saturation by 10% instead.

10, 29.630, 14.911

10, 29.630, 14.911

100, 29.630,
14.911

0, 29.630, 14.911

30, 29.630, 14.911

40, 29.630, 14.911

50, 29.630, 14.911

60, 29.630, 14.911

70, 29.630, 14.911

80, 29.630, 14.911

90, 29.630, 14.911

■ 10, 29.630, 14.911

■ 10, 29.630, 14.911

■ 9, 30.989, 15.141

■ 11, 26.900, 13.113

■ 12, 24.191, 10.155

■ 14, 21.169, 7.713

■ 15, 17.936, 5.719

■ 17, 14.596, 4.074

■ 19, 11.238, 2.696

■ 21, 7.928, 1.521

■ 23, 4.708, 0.497

■ 25, 1.602, 359.530

Harmonies

Complementary

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



10, 29.630, 14.911



22, 22.484, 169.144

Rectangle

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



10, 29.630, 14.911



10, 29.630, 64.911



10, 29.630, 194.911



10, 29.630, 244.911

Sweetspot

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



10, 29.629, 14.913



27, 11.535, 2.091



9, 41.156, 319.407



11, 7.799, 2.280



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



10, 29.629, 14.913



15, 38.050, 19.667



12, 27.464, 39.195



10, 1.668, 359.840



18, 42.346, 21.011



47, 81.320, 25.893

Inverse Universe

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



10, 29.629, 14.913



15, 38.050, 19.667



18, 15.538, 235.644



10, 1.668, 359.840



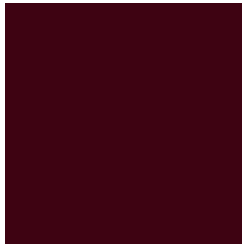
18, 42.346, 21.011



47, 81.320, 25.893

Previews

White Background



This preview shows how the CIELCh color 10, 29.630, 14.911 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

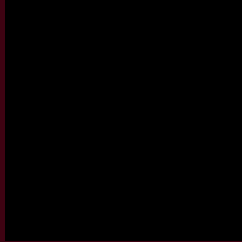
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 10, 29.630, 14.911

Background



This preview shows how black text looks on a background with the CIELCh color 10, 29.630, 14.911.



This preview shows how white text looks on a background with the CIELCh color 10, 29.630, 14.911.

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

10, 29.630, 14.911

Protanopia

12, 3.071, 89.404

Deuteranopia

12, 11.434, 80.714



Tritanopia
11, 29.257, 28.859

Trichromacy



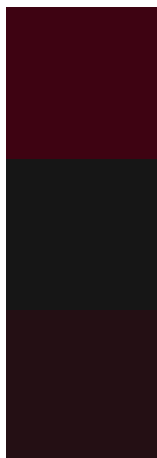
Original Color
10, 29.630, 14.911

Protanomaly
10, 12.002, 13.247

Deuteranomaly
10, 15.715, 32.447

Tritanomaly
10, 29.358, 24.409

Monochromacy



Original Color
10, 29.630, 14.911

Achromatopsia
7, 0.002, 296.812

Achromatomaly
7, 11.672, 5.589

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 10, 29.630, 14.911 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(62, 3, 18)` looks like.

```
.text, #text, p{  
    color:rgb(62, 3, 18)  
}
```

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(62, 3, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 3, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 10, 29.630, 14.911 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(62, 3, 18) }
```

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

```
.border{ border-color:rgb(62, 3, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 3, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 3, 18); -webkit-box-shadow:4px  
4px 4px 4px rgb(62, 3, 18); box-shadow:4px  
4px 4px 4px rgb(62, 3, 18) }
```

Background

The CSS property to change the background color of an element to CIELCh 10, 29.630, 14.911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 3, 18) }
```

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

```
.background{ background-color: rgb(62, 3,  
18) }
```

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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