

Converting Colors

CIELCh(9, 29.864, 28.523)

Have a look what the booklet for
CIELCh(9, 29.864, 28.523) contains.

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Color

CIELCh(9, 29.782, 28.752)

Conversions

Conversions Part 1	
Format	Color
Hex	3B0400
RGB	59, 4, 0
RGB Percent	23%, 2%, 0%
CMY	0.7698, 0.9853, 1.0000
CMYK	0.00, 0.94, 1.00, 0.77
HSL	4°, 100%, 12%
HSV	4°, 100%, 23%
XYZ	1.8242, 1.0010, 0.0833
YIQ	19.9890, 34.0640, 10.4160

Conversions

Conversions Part 2

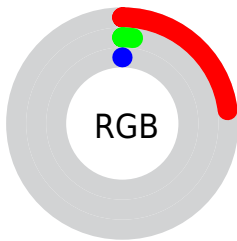
Format	Color
RYB	59, 4, 0
Decimal	3867648
CIELab	9.00, 26.11, 14.33
CIELCh	9, 29.782, 28.752
Yxy	1.0010, 0.6272, 0.3442
Android (android.graphics.Color)	4282057728 (0xFF3B0400)
YUV	19.9890, -9.8546, 34.2126
Hunter-Lab	10.0051, 15.0358, 6.5099

Details

The CIELCh color **9, 29.782, 28.752** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **20, 16.363, 205.661**, and the grayscale version is **6, 0.002, 296.812**.

A 20% lighter version of the original color is **29, 29.510, 28.811**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **9, 29.717, 28.421**, and if you desaturate by 10%, it is **10, 27.240, 29.117**.

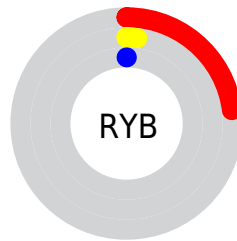
Distribution



Red (23%)

Green (2%)

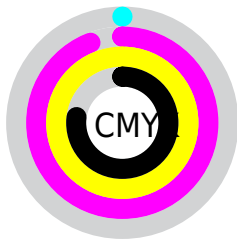
Blue (0%)



Red (23%)

Yellow (2%)

Blue (0%)

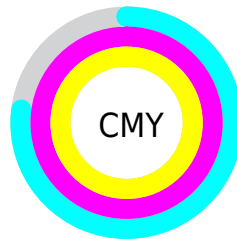


Cyan (0%)

Magenta (94%)

Yellow (100%)

Black (77%)



Cyan (77%)

Magenta (99%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 9, 29.782, 28.752 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 9, 29.782, 28.752 by changing the saturation by 10% instead.

 9, 29.782, 28.752  9, 29.782, 28.752

 99, 29.782, 28.752  0, 29.782, 28.752

 29, 29.782, 28.752

 39, 29.782, 28.752

 49, 29.782, 28.752

 59, 29.782, 28.752

 69, 29.782, 28.752

 79, 29.782, 28.752

 89, 29.782, 28.752

 9, 29.782, 28.752  9, 29.782, 28.752

■ 9, 29.717, 28.421

■ 10, 27.240, 29.117

■ 11, 24.756, 29.894

■ 12, 21.795, 30.413

■ 14, 18.343, 29.533

■ 16, 14.837, 28.246

■ 17, 11.490, 27.236

■ 19, 8.328, 26.450

■ 21, 5.361, 25.837

■ 23, 2.588, 25.335

Harmonies

Complementary

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



9, 29.782, 28.752



20, 16.363, 205.661

Rectangle

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



9, 29.782, 28.752



9, 29.782, 78.752



9, 29.782, 208.752



9, 29.782, 258.752

Sweetspot

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



9, 29.717, 28.421



25, 10.438, 26.549



11, 39.227, 330.037



11, 7.020, 26.638



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



9, 29.717, 28.421



14, 38.102, 33.789



15, 24.757, 66.642



10, 1.480, 25.260



18, 46.205, 36.824



47, 93.293, 40.554

Inverse Universe

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



20, 16.363, 205.661



27, 19.437, 206.134



10, 24.244, 281.784



11, 1.412, 204.951



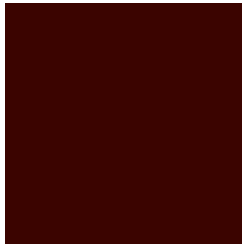
34, 22.402, 206.454



76, 41.515, 207.340

Previews

White Background



This preview shows how the CIE LCh color 9, 29.782, 28.752 looks on a white background.

Color Contrast Check

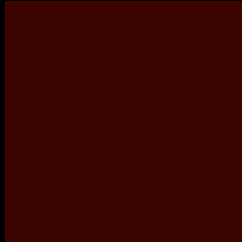
Large Text (above 18pt) WCAG AA ✓ Pass

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 9, 29.782, 28.752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

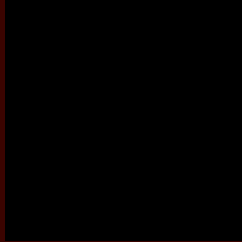
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 9, 29.782, 28.752

Background



This preview shows how black text looks on a background with the CIELCh color 9, 29.782, 28.752.

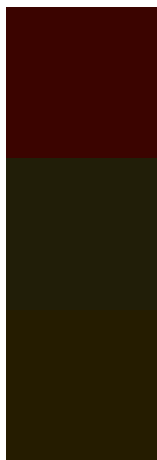


This preview shows how white text looks on a background with the CIELCh color 9, 29.782, 28.752.

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

9, 29.782, 28.752

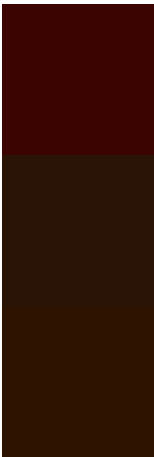
Protanopia

11, 13.341, 100.111

Deuteranopia

11, 16.020, 88.236

Trichromacy

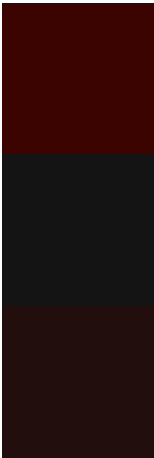


Original Color
9, 29.782, 28.752

Protanomaly
9, 15.113, 50.479

Deuteranomaly
9, 18.103, 50.680

Monochromacy



Original Color
9, 29.782, 28.752

Achromatopsia
6, 0.002, 296.812

Achromatomaly
6, 10.573, 22.104

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 9, 29.782, 28.752 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(59, 4, 0)` looks like.

```
.text, #text, p{  
    color:rgb(59, 4, 0)  
}
```

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(59, 4, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 4, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 9, 29.782, 28.752 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(59, 4, 0) }
```

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

```
.border{ border-color:rgb(59, 4, 0) }
```

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

Here you see how a box with a 4 pixel rgb(59, 4, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 4, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(59, 4, 0); box-shadow:4px  
4px 4px 4px rgb(59, 4, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 9, 29.782, 28.752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 4, 0) }
```

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

```
.background{ background-color: rgb(59, 4,  
0) }
```

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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