

Converting Colors

CIELCh(16, 28.779, 22.766)

Have a look what the booklet for
CIELCh(16, 28.779, 22.766) contains.

CIELCh(16, 29.074, 23.083)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(16, 29.074, 23.083)

Conversions

Conversions Part 1

Format	Color
Hex	4C1419
RGB	76, 20, 25
RGB Percent	30%, 8%, 10%
CMY	0.7024, 0.9219, 0.9023
CMYK	0.00, 0.74, 0.67, 0.70
HSL	355°, 58%, 19%
HSV	355°, 74%, 30%
XYZ	3.3957, 2.0993, 1.1416
YIQ	37.3140, 31.7710, 13.4270

Conversions

Conversions Part 2

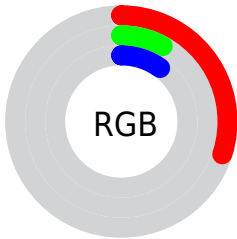
Format	Color
R_{YB}	76, 20, 25
Decimal	4985881
CIE _{Lab}	16.00, 26.75, 11.40
CIE _{LCh}	16, 29.074, 23.083
Yxy	2.0993, 0.5117, 0.3163
Android (android.graphics.Color)	4283175961 (0xFF4C1419)
YUV	37.3140, -6.0708, 33.9276
Hunter-Lab	14.4890, 16.4783, 5.4709

Details

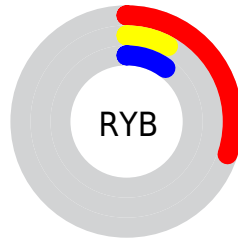
The CIELCh color **16, 29.074, 23.083** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **29, 19.306, 186.821**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 29.018, 23.222**, and **1, 6.850, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **15, 32.900, 25.983**, and if you desaturate by 10%, it is **18, 24.937, 20.401**.

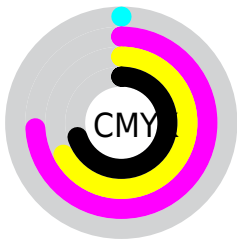
Distribution



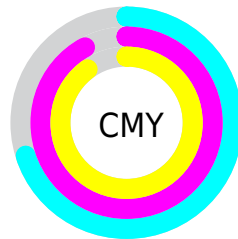
- Red (30%)
- Green (8%)
- Blue (10%)



- Red (30%)
- Yellow (8%)
- Blue (10%)



- Cyan (0%)
- Magenta (74%)
- Yellow (67%)
- Black (70%)



- Cyan (70%)
- Magenta (92%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 29.074, 23.083 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 16, 29.074, 23.083 by changing the saturation by 10% instead.

 16, 29.074, 23.083

 16, 29.074, 23.083

 100, 29.074,
23.083

 6, 29.074, 23.083

 36, 29.074, 23.083

 0, 29.074, 23.083

 46, 29.074, 23.083

 56, 29.074, 23.083

 66, 29.074, 23.083

 76, 29.074, 23.083

 86, 29.074, 23.083

 96, 29.074, 23.083

■ 16, 29.074, 23.083

■ 16, 29.074, 23.083

■ 15, 32.900, 25.983

■ 18, 24.937, 20.401

■ 14, 36.010, 27.448

■ 20, 20.715, 18.238

■ 13, 37.858, 27.460

■ 22, 16.516, 16.501

■ 24, 12.427, 15.099

■ 26, 8.505, 13.953

■ 29, 4.783, 12.993

■ 31, 1.270, 12.056

■ 34, 2.035, 191.740

■ 36, 5.143, 191.095

Harmonies

Complementary

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



16, 29.074, 23.083



29, 19.306, 186.821

Rectangle

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



16, 29.074, 23.083



16, 29.074, 73.083



16, 29.074, 203.083



16, 29.074, 253.083

Sweetspot

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



16, 29.073, 23.085



35, 9.821, 13.858



17, 39.916, 324.478



17, 6.679, 13.994



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



16, 29.073, 23.085



20, 43.534, 29.578



21, 24.778, 57.628



14, 1.922, 12.543



19, 48.655, 32.346



48, 92.795, 36.951

Inverse Universe

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



16, 29.073, 23.085



20, 43.534, 29.578



21, 17.750, 257.683



14, 1.922, 12.543



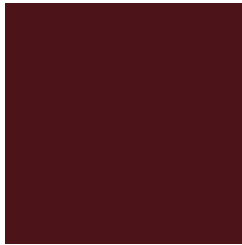
19, 48.655, 32.346



48, 92.795, 36.951

Previews

White Background



This preview shows how the CIE LCh color 16, 29.074, 23.083 looks on a white background.

Color Contrast Check

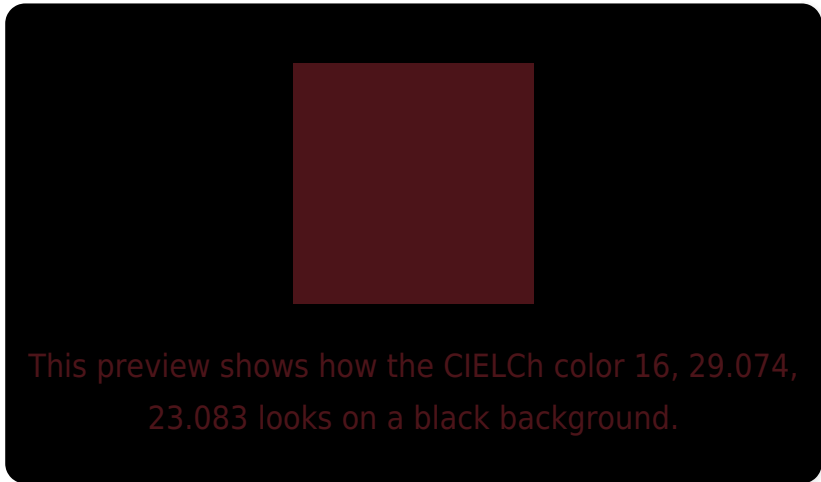
Large Text (above 18pt) WCAG AA ✓ Pass

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

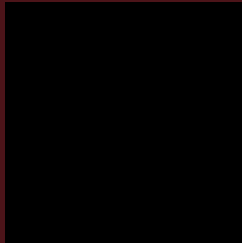
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 29.074, 23.083

Background



This preview shows how black text looks on a background with the CIELCh color 16, 29.074, 23.083.



This preview shows how white text looks on a background with the CIELCh color 16, 29.074, 23.083.

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

16, 29.074, 23.083

Protanopia

17, 5.759, 93.198

Deuteranopia

17, 13.917, 80.905



Tritanopia
16, 29.661, 28.953

Trichromacy



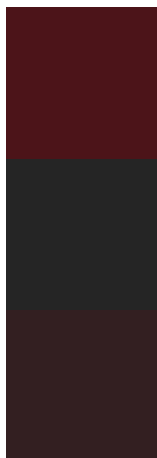
Original Color
16, 29.074, 23.083

Protanomaly
16, 12.548, 31.912

Deuteranomaly
16, 16.977, 46.220

Tritanomaly
16, 29.402, 27.733

Monochromacy



Original Color
16, 29.074, 23.083

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 10.418, 14.641

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 29.074, 23.083 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(76, 20, 25)` looks like.

```
.text, #text, p{  
    color:rgb(76, 20, 25)  
}
```

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(76, 20, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 20, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 29.074, 23.083 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(76, 20, 25) }
```

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

```
.border{ border-color:rgb(76, 20, 25) }
```

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

Here you see how a box with a 4 pixel rgb(76, 20, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 20, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 20, 25);  
box-shadow:4px 4px 4px 4px rgb(76, 20, 25)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 29.074, 23.083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 20, 25) }
```

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

```
.background{ background-color: rgb(76, 20,  
25) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor