

Converting Colors

CIELCh(18, 41.494, 16.372)

Have a look what the booklet for
CIELCh(18, 41.494, 16.372) contains.

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Color

CIELCh(18, 41.727, 16.599)

Conversions

Conversions Part 1

Format	Color
Hex	5F001D
RGB	95, 0, 29
RGB Percent	37%, 0%, 11%
CMY	0.6276, 1.0000, 0.8864
CMYK	0.00, 1.00, 0.69, 0.63
HSL	342°, 100%, 19%
HSV	342°, 100%, 37%
XYZ	4.9356, 2.5180, 1.3862
YIQ	31.7110, 47.3110, 29.1590

Conversions

Conversions Part 2

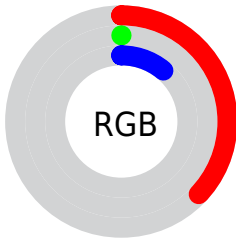
Format	Color
R_{YB}	95, 0, 29
Decimal	6225949
CIE _{Lab}	18.00, 39.99, 11.92
CIE _{LCh}	18, 41.727, 16.599
Yxy	2.5180, 0.5583, 0.2848
Android (android.graphics.Color)	4284416029 (0xFF5F001D)
YUV	31.7110, -1.3365, 55.5045
Hunter-Lab	15.8683, 27.7505, 5.9284

Details

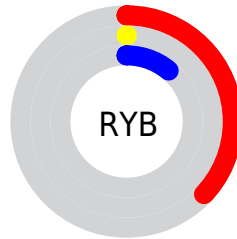
The CIELCh color **18, 41.727, 16.599** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **35, 33.682, 162.988**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 41.943, 16.558**, and **5, 22.460, 18.874** is the 20% darker color. If you saturate the color by 10%, you get **18, 41.715, 16.613**, and if you desaturate by 10%, it is **19, 38.790, 12.811**.

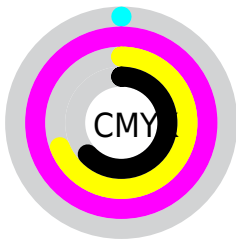
Distribution



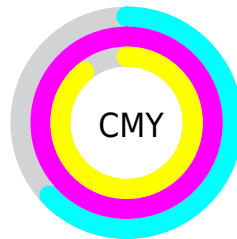
- Red (37%)
- Green (0%)
- Blue (11%)



- Red (37%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (63%)



- Cyan (63%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 41.727, 16.599 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 18, 41.727, 16.599 by changing the saturation by 10% instead.

18, 41.727, 16.599

18, 41.727, 16.599

100, 41.727,
16.599

8, 41.727, 16.599

38, 41.727, 16.599

0, 41.727, 16.599

48, 41.727, 16.599

58, 41.727, 16.599

68, 41.727, 16.599

78, 41.727, 16.599

88, 41.727, 16.599

98, 41.727, 16.599

■ 18, 41.727, 16.599

■ 18, 41.727, 16.599

■ 18, 41.715, 16.613

■ 19, 38.790, 12.811

■ 20, 35.820, 9.044

■ 22, 32.169, 6.009

■ 24, 27.962, 3.575

■ 26, 23.385, 1.605

■ 29, 18.620,
359.985

■ 32, 13.814,
358.626

■ 34, 9.070, 357.461

■ 37, 4.455, 356.429

Harmonies

Complementary

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



18, 41.727, 16.599



35, 33.682, 162.988

Rectangle

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



18, 41.727, 16.599



18, 41.727, 66.599



18, 41.727, 196.599



18, 41.727, 246.599

Sweetspot

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



18, 41.715, 16.613



41, 17.045, 358.738



15, 58.085, 317.463



19, 11.558, 359.091



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



18, 41.715, 16.613



25, 50.286, 18.432



19, 44.699, 40.994



18, 2.535, 356.319



22, 47.140, 17.851



51, 83.933, 21.683

Inverse Universe

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



18, 41.715, 16.613



25, 50.286, 18.432



30, 21.142, 229.414



18, 2.535, 356.319



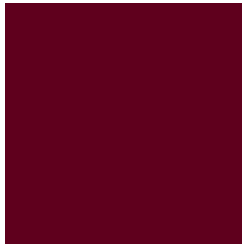
22, 47.140, 17.851



51, 83.933, 21.683

Previews

White Background



This preview shows how the CIELCh color 18, 41.727, 16.599 looks on a white background.

Color Contrast Check

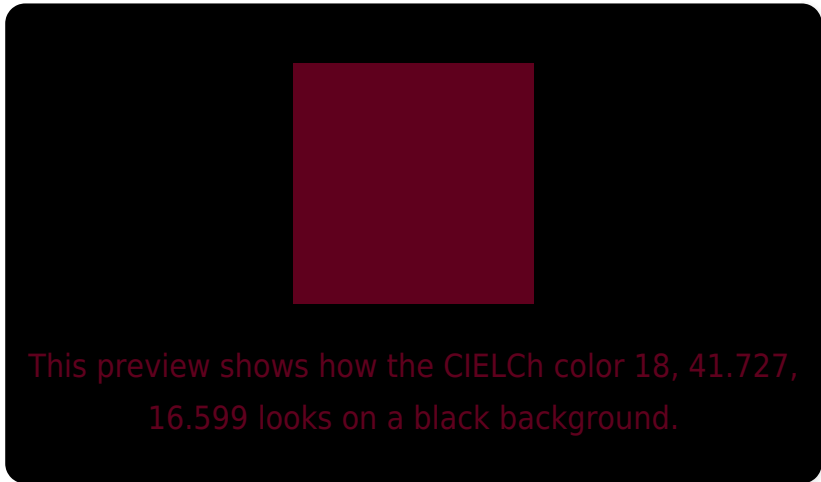
Large Text (above 18pt) WCAG AA ✓ Pass

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

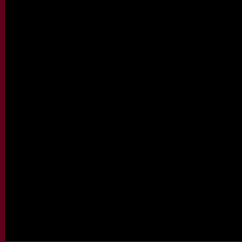
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 41.727, 16.599

Background



This preview shows how black text looks on a background with the CIELCh color 18, 41.727, 16.599.



This preview shows how white text looks on a background with the CIELCh color 18, 41.727, 16.599.

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

18, 41.727, 16.599

Protanopia

20, 3.688, 85.960

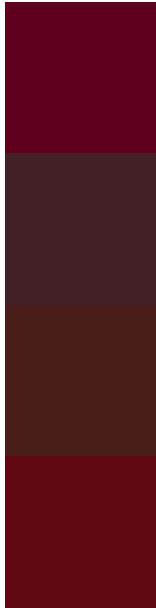
Deuteranopia

20, 16.807, 79.432



Tritanopia
19, 43.028, 34.396

Trichromacy



Original Color
18, 41.727, 16.599

Protanomaly
17, 18.503, 10.061

Deuteranomaly
17, 24.051, 30.609

Tritanomaly
18, 42.174, 29.071

Monochromacy



Original Color
18, 41.727, 16.599

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 18.881, 2.504

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 41.727, 16.599 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(95, 0, 29)` looks like.

```
.text, #text, p{  
    color:rgb(95, 0, 29)  
}
```

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(95, 0, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 0, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 41.727, 16.599 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(95, 0, 29) }
```

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

```
.border{ border-color:rgb(95, 0, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 0, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 0, 29); -webkit-box-shadow:4px  
4px 4px 4px rgb(95, 0, 29); box-shadow:4px  
4px 4px 4px rgb(95, 0, 29) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 41.727, 16.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 0, 29) }
```

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

```
.background{ background-color: rgb(95, 0,  
29) }
```

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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