

Converting Colors

CIELCh(18, 29.158, 350.529)

Have a look what the booklet for
CIELCh(18, 29.158, 350.529)
contains.

CIELCh(18, 29.028, 349.943)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(18, 29.028, 349.943)

Conversions

Conversions Part 1

Format	Color
Hex	4E1834
RGB	78, 24, 52
RGB Percent	31%, 9%, 20%
CMY	0.6942, 0.9060, 0.7962
CMYK	0.00, 0.69, 0.33, 0.69
HSL	329°, 53%, 20%
HSV	329°, 69%, 31%
XYZ	4.0845, 2.5180, 3.5162
YIQ	43.3380, 23.1960, 20.1560

Conversions

Conversions Part 2

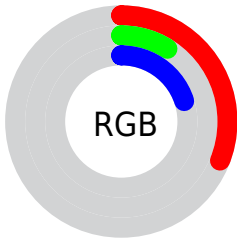
Format	Color
RYB	78, 24, 52
Decimal	5118004
CIELab	18.00, 28.58, -5.07
CIElCh	18, 29.028, 349.943
Yxy	2.5180, 0.4037, 0.2488
Android (android.graphics.Color)	4283308084 (0xFF4E1834)
YUV	43.3380, 4.2704, 30.3986
Hunter-Lab	15.8683, 18.1761, -2.0302

Details

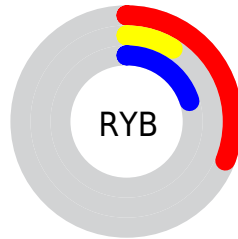
The CIELCh color **18, 29.028, 349.943** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **29, 27.745, 155.526**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 28.865, 350.164**, and **3, 14.065, 11.163** is the 20% darker color. If you saturate the color by 10%, you get **17, 31.970, 351.779**, and if you desaturate by 10%, it is **20, 25.459, 348.420**.

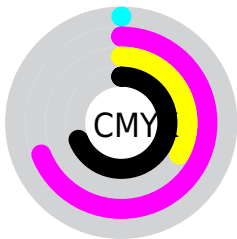
Distribution



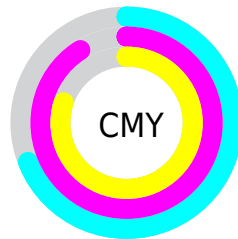
- Red (31%)
- Green (9%)
- Blue (20%)



- Red (31%)
- Yellow (9%)
- Blue (20%)



- Cyan (0%)
- Magenta (69%)
- Yellow (33%)
- Black (69%)



- Cyan (69%)
- Magenta (91%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 29.028, 349.943 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, 29.028, 349.943 by changing the saturation by 10% instead.

■ 18, 29.028,
349.943

■ 18, 29.028,
349.943

■ 100, 29.028,
349.943

■ 8, 29.028, 349.943

■ 38, 29.028,
349.943

■ 0, 29.028, 349.943

■ 48, 29.028,
349.943


■ 58, 29.028,
349.943


■ 68, 29.028,
349.943


■ 78, 29.028,
349.943


■ 88, 29.028,


349.943


 98, 29.028,
349.943


 18, 29.028,
349.943


 18, 29.028,
349.943

 17, 31.970,
351.779


 20, 25.459,
348.420


 15, 34.151,
354.010

 22, 21.454,
347.128

 14, 36.299,
356.189

 24, 17.184,
346.008

 14, 36.474,
356.340

 26, 12.786,
345.018

 28, 8.362, 344.126

■ 31, 3.981, 343.297

■ 33, 0.313, 163.263

■ 36, 4.495, 161.983

■ 38, 8.551, 161.335

Harmonies

Complementary

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



18, 29.028, 349.943



29, 27.745, 155.526

Rectangle

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



18, 29.028, 349.943



18, 29.028, 39.943



18, 29.028, 169.943



18, 29.028, 219.943

Sweetspot

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



18, 29.026, 349.944



37, 11.412, 344.344



15, 38.105, 311.244



17, 7.634, 344.462



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



18, 29.026, 349.944



22, 40.379, 353.265



17, 28.445, 25.922



14, 2.361, 343.246



20, 43.687, 357.828



50, 78.423, 0.879

Inverse Universe

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



18, 29.026, 349.944



22, 40.379, 353.265



30, 18.322, 193.110



14, 2.361, 343.246



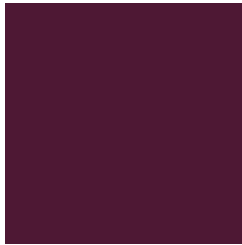
20, 43.687, 357.828



50, 78.423, 0.879

Previews

White Background



This preview shows how the CIELCh color 18, 29.028, 349.943 looks on a white background.

Color Contrast Check

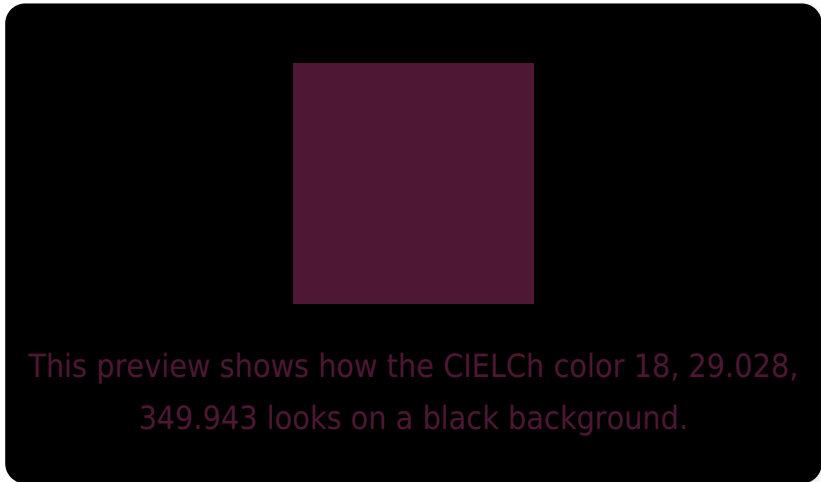
Large Text (above 18pt) WCAG AA ✓ Pass

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

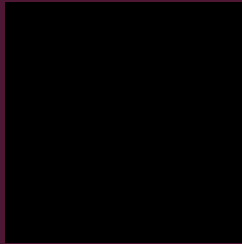
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 29.028, 349.943

Background



This preview shows how black text looks on a background with the CIELCh color 18, 29.028, 349.943.



This preview shows how white text looks on a background with the CIELCh color 18, 29.028, 349.943.

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, 29.028, 349.943

Protanopia

19, 14.568, 283.045

Deuteranopia

19, 3.930, 319.164



Tritanopia
18, 24.490, 23.391

Trichromacy



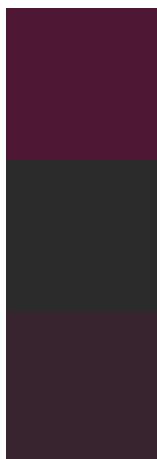
Original Color
18, 29.028, 349.943

Protanomaly
18, 17.974, 316.136

Deuteranomaly
18, 13.537, 341.760

Tritanomaly
18, 25.218, 9.245

Monochromacy



Original Color
18, 29.028, 349.943

Achromatopsia
18, 0.003, 296.813

Achromatomaly
17, 11.725, 346.492

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 29.028, 349.943 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(78, 24, 52)` looks like.

```
.text, #text, p{  
    color:rgb(78, 24, 52)  
}
```

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(78, 24, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 24, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 29.028, 349.943 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(78, 24, 52) }
```

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

```
.border{ border-color:rgb(78, 24, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 24, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 24, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 24, 52);  
box-shadow:4px 4px 4px 4px rgb(78, 24, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 29.028, 349.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 24, 52) }
```

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

```
.background{ background-color: rgb(78, 24,  
52) }
```

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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