

Converting Colors

CIE LCh(18, 29.184, 133.343)

Have a look what the booklet for
CIELCh(18, 29.184, 133.343)
contains.

CIELCh(18, 29.294, 133.164)	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, 29.294, 133.164)

Conversions

Conversions Part 1

Format	Color
Hex	163309
RGB	22, 51, 9
RGB Percent	9%, 20%, 4%
CMY	0.9153, 0.8016, 0.9630
CMYK	0.57, 0.00, 0.81, 0.80
HSL	102°, 69%, 12%
HSV	102°, 81%, 20%
XYZ	1.5397, 2.5180, 0.6759
YIQ	37.5410, -3.8020, -19.2100

Conversions

Conversions Part 2

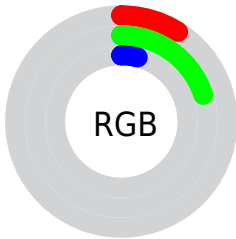
Format	Color
R_YB	9, 51, 38
Decimal	1454857
CIE _{Lab}	18.00, -20.04, 21.37
CIE _{LCh}	18, 29.294, 133.164
Yxy	2.5180, 0.3253, 0.5320
Android (android.graphics.Color)	4279644937 (0xFF163309)
YUV	37.5410, -14.0707, -13.6295
Hunter-Lab	15.8683, -10.4503, 8.5825

Details

The CIELCh color **18, 29.294, 133.164** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **8, 30.924, 318.358**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 29.539, 133.095**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 31.844, 133.428**, and if you desaturate by 10%, it is **18, 26.507, 132.944**.

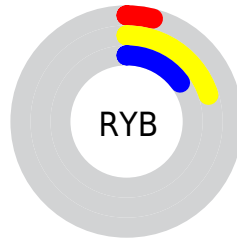
Distribution



Red (9%)

Green (20%)

Blue (4%)



Red (4%)

Yellow (20%)

Blue (15%)

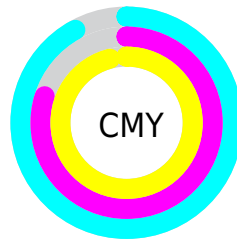


Cyan (57%)

Magenta (0%)

Yellow (81%)

Black (80%)



Cyan (92%)


Magenta (80%)


Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 29.294, 133.164 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, 29.294, 133.164 by changing the saturation by 10% instead.

 18, 29.294,
133.164

 18, 29.294,
133.164

 100, 29.294,
133.164


 8, 29.294, 133.164


 38, 29.294,
133.164

 0, 29.294, 133.164

 48, 29.294,
133.164

 58, 29.294,
133.164

 68, 29.294,
133.164

 78, 29.294,
133.164


 88, 29.294,


133.164


 98, 29.294,
133.164

 18, 29.294,
133.164


 18, 29.294,
133.164


 18, 31.844,
133.428

 18, 26.507,
132.944

 18, 34.023,
133.513

 19, 23.174,
133.244

 19, 19.578,
133.706

 19, 15.848,
134.177

 20, 12.039,
134.635

■ 20, 8.192, 135.069

■ 20, 4.341, 135.474

■ 21, 0.508, 135.957

■ 22, 3.289, 316.124

Harmonies

Complementary

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



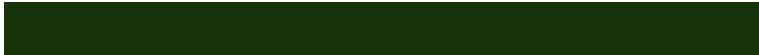
18, 29.294, 133.164



8, 30.924, 318.358

Rectangle

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



18, 29.294, 133.164



18, 29.294, 183.164



18, 29.294, 313.164



18, 29.294, 3.164

Sweetspot

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



18, 29.294, 133.165



27, 11.568, 134.900



16, 19.686, 84.313



12, 7.775, 134.869



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



18, 29.294, 133.165



24, 42.058, 132.119



18, 28.146, 143.544



9, 2.125, 135.618



33, 53.064, 132.250



76, 102.321, 133.358

Inverse Universe

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



8, 30.924, 318.358



9, 44.402, 318.513



10, 27.433, 335.223



8, 2.141, 316.129



14, 55.421, 318.163



41, 105.901, 317.397

Previews

White Background



This preview shows how the CIELCh color 18, 29.294, 133.164 looks on a white background.

Color Contrast Check

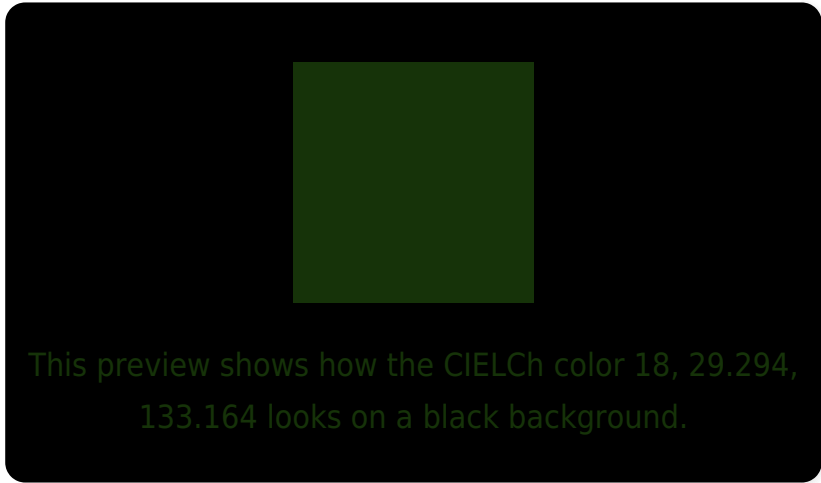
Large Text (above 18pt) WCAG AA ✓ Pass

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

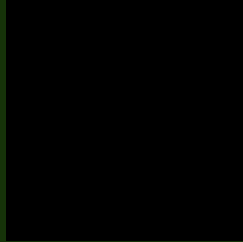
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 29.294, 133.164

Background



This preview shows how black text looks on a background with the CIELCh color 18, 29.294, 133.164.



This preview shows how white text looks on a background with the CIELCh color 18, 29.294, 133.164.

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](#).

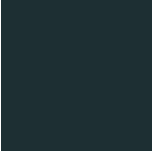
Dichromacy



Original Color
18, 29.656, 132.791

Protanopia
18, 22.519, 96.032

Deuteranopia
18, 20.037, 83.820



Tritanopia
18, 7.817, 218.897

Trichromacy



Original Color
18, 29.656, 132.791

Protanomaly
18, 23.160, 112.839

Deuteranomaly
18, 21.125, 107.923

Tritanomaly
18, 13.106, 157.691

Monochromacy



Original Color
18, 29.656, 132.791

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 11.821, 135.387

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 29.294, 133.164 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(22, 51, 9)` looks like.

```
.text, #text, p{  
    color:rgb(22, 51, 9)  
}
```

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(22, 51, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 51, 9) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 29.294, 133.164 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(22, 51, 9) }
```

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

```
.border{ border-color:rgb(22, 51, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 51, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 51, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(22, 51, 9); box-shadow:4px  
4px 4px 4px rgb(22, 51, 9) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 29.294, 133.164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 51, 9) }
```

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

```
.background{ background-color: rgb(22, 51,  
9) }
```

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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