

Converting Colors

CIELCh(18, 18.874, 147.787)

Have a look what the booklet for
CIELCh(18, 18.874, 147.787)
contains.

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Color

CIELCh(18, 19.047, 147.406)

Conversions

Conversions Part 1

Format	Color
Hex	17321D
RGB	23, 50, 29
RGB Percent	9%, 20%, 11%
CMY	0.9111, 0.8052, 0.8875
CMYK	0.54, 0.00, 0.42, 0.81
HSL	133°, 37%, 14%
HSV	133°, 54%, 19%
XYZ	1.6901, 2.5180, 1.5394
YIQ	39.5330, -9.3510, -12.2550

Conversions

Conversions Part 2

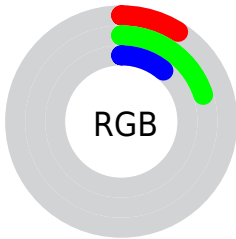
Format	Color
R_{YB}	23, 45, 50
Decimal	1520157
CIE _{Lab}	18.00, -16.05, 10.26
CIE _{LCh}	18, 19.047, 147.406
Yxy	2.5180, 0.2941, 0.4381
Android (android.graphics.Color)	4279710237 (0xFF17321D)
YUV	39.5330, -5.1928, -14.4994
Hunter-Lab	15.8683, -8.7583, 5.3562

Details

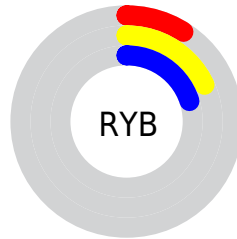
The CIELCh color **18, 19.047, 147.406** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 19.091, 334.432**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 19.225, 147.537**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 22.281, 146.357**, and if you desaturate by 10%, it is **18, 15.663, 148.342**.

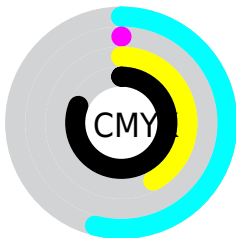
Distribution



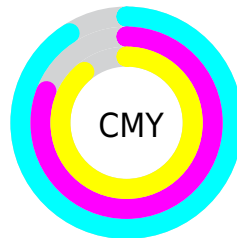
- Red (9%)
- Green (20%)
- Blue (11%)



- Red (9%)
- Yellow (18%)
- Blue (20%)



- Cyan (54%)
- Magenta (0%)
- Yellow (42%)
- Black (81%)



- Cyan (91%)
- Magenta (81%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 19.047, 147.406 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, 19.047, 147.406 by changing the saturation by 10% instead.

■ 18, 19.047,
147.406

■ 18, 19.047,
147.406

■ 100, 19.047,
147.406

■ 8, 19.047, 147.406

■ 38, 19.047,
147.406

■ 0, 19.047, 147.406

■ 48, 19.047,
147.406


■ 58, 19.047,
147.406


■ 68, 19.047,
147.406

■ 78, 19.047,
147.406


■ 88, 19.047,


147.406


 98, 19.047,
147.406


 18, 19.047,
147.406


 18, 19.047,
147.406

 18, 22.281,
146.357


 18, 15.663,
148.342

 17, 25.311,
145.190


 19, 12.177,
149.172

 17, 28.103,
143.983

 19, 8.635, 149.909

 17, 30.689,
143.384

 20, 5.076, 150.566

 17, 32.055,
143.321

 20, 1.530, 151.195

 21, 1.976, 331.567

■ 22, 5.425, 332.060

■ 22, 8.802, 332.476

■ 23, 12.098,
332.847

Harmonies

Complementary

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



18, 19.047, 147.406



12, 19.091, 334.432

Rectangle

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



18, 19.047, 147.406



18, 19.047, 197.406



18, 19.047, 327.406



18, 19.047, 17.406

Sweetspot

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



18, 19.047, 147.406



26, 6.984, 150.410



19, 18.075, 115.678



12, 4.767, 150.391



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, 19.047, 147.406



23, 27.586, 145.908



18, 12.735, 172.379



9, 1.991, 150.941



32, 50.060, 140.486



76, 98.881, 138.889

Inverse Universe

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



12, 19.091, 334.432



15, 27.397, 335.337



12, 14.720, 2.955



8, 1.998, 331.740



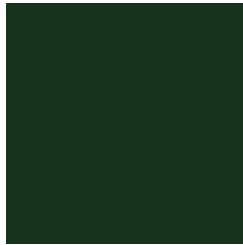
18, 45.757, 338.609



49, 85.922, 339.743

Previews

White Background



This preview shows how the CIELCh color 18, 19.047, 147.406 looks on a white background.

Color Contrast Check

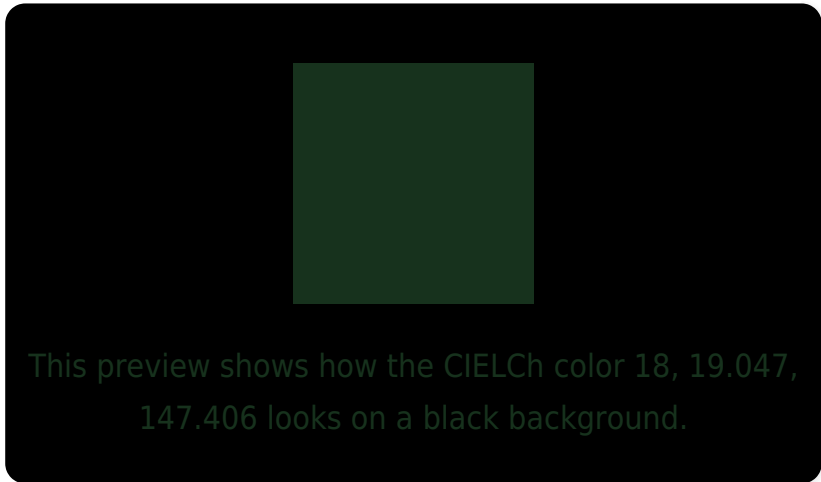
Large Text (above 18pt) WCAG AA ✓ Pass

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

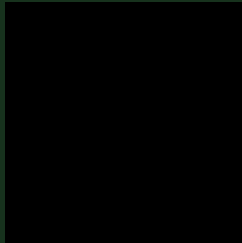
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 19.047, 147.406

Background



This preview shows how black text looks on a background with the CIELCh color 18, 19.047, 147.406.



This preview shows how white text looks on a background with the CIELCh color 18, 19.047, 147.406.

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, 19.047, 147.406

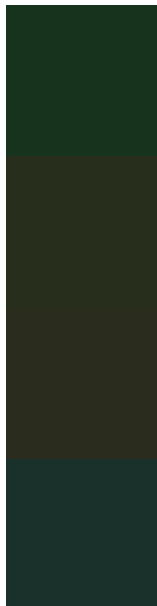
Protanopia
18, 11.788, 96.760

Deuteranopia
18, 10.204, 73.070



Tritanopia
18, 8.148, 217.958

Trichromacy



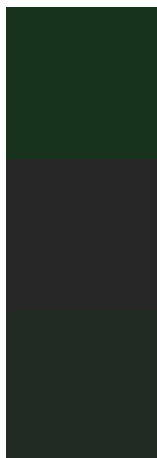
Original Color
18, 19.047, 147.406

Protanomaly
18, 12.743, 123.455

Deuteranomaly
18, 10.346, 116.138

Tritanomaly
18, 10.216, 177.484

Monochromacy



Original Color
18, 19.047, 147.406

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 7.421, 149.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 19.047, 147.406 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(23, 50, 29)` looks like.

```
.text, #text, p{  
    color:rgb(23, 50, 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(23, 50, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 50, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 19.047, 147.406 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(23, 50, 29) }
```

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

```
.border{ border-color:rgb(23, 50, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 50, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 50, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 50, 29);  
box-shadow:4px 4px 4px 4px rgb(23, 50, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 19.047, 147.406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 50, 29) }
```

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

```
.background{ background-color: rgb(23, 50,  
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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