

Converting Colors

CIELCh(18, 15.467, 163.646)

Have a look what the booklet for
CIELCh(18, 15.467, 163.646)
contains.

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Color

CIELCh(18, 16.115, 162.579)

Conversions

Conversions Part 1

Format	Color
Hex	133225
RGB	19, 50, 37
RGB Percent	7%, 20%, 15%
CMY	0.9269, 0.8053, 0.8562
CMYK	0.62, 0.00, 0.26, 0.81
HSL	155°, 45%, 13%
HSV	155°, 62%, 19%
XYZ	1.7163, 2.5180, 2.1189
YIQ	39.2490, -14.3030, -10.6150

Conversions

Conversions Part 2

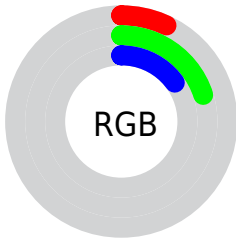
Format	Color
R_{YB}	19, 39, 50
Decimal	1258021
CIE _{Lab}	18.00, -15.38, 4.82
CIE _{LCh}	18, 16.115, 162.579
Yxy	2.5180, 0.2701, 0.3963
Android (android.graphics.Color)	4279448101 (0xFF133225)
YUV	39.2490, -1.1088, -17.7584
Hunter-Lab	15.8683, -8.4634, 3.1907

Details

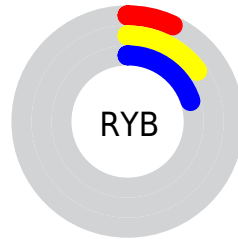
The CIELCh color **18, 16.115, 162.579** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **11, 17.606, 354.622**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 16.375, 163.127**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 18.282, 161.315**, and if you desaturate by 10%, it is **18, 13.781, 163.722**.

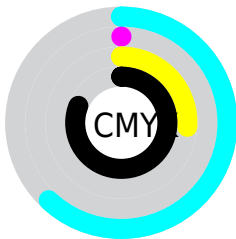
Distribution



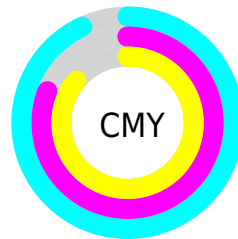
- Red (7%)
- Green (20%)
- Blue (15%)



- Red (7%)
- Yellow (15%)
- Blue (20%)



- Cyan (62%)
- Magenta (0%)
- Yellow (26%)
- Black (81%)





- Cyan (93%)
- Magenta (81%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 18, 16.115, 162.579 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, 16.115, 162.579 by changing the saturation by 10% instead.

 18, 16.115,
162.579


 18, 16.115,
162.579


 100, 16.115,
162.579


 8, 16.115, 162.579


 38, 16.115,
162.579

 0, 16.115, 162.579

 48, 16.115,
162.579


 58, 16.115,
162.579


 68, 16.115,
162.579


 78, 16.115,
162.579


 88, 16.115,


162.579


 98, 16.115,
162.579


 18, 16.115,
162.579


 18, 16.115,
162.579

 18, 18.282,
161.315


 18, 13.781,
163.722

 18, 20.264,
159.936

 19, 11.310,
164.762

 17, 22.236,
158.745

 19, 8.733, 165.713

 17, 23.767,
158.023

 19, 6.081, 166.589

 20, 3.383, 167.411

 20, 0.664, 168.354

■ 21, 2.055, 348.719

■ 22, 4.756, 349.415

■ 22, 7.427, 350.042

Harmonies

Complementary

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



18, 16.115, 162.579



11, 17.606, 354.622

Rectangle

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



18, 16.115, 162.579



18, 16.115, 212.579



18, 16.115, 342.579



18, 16.115, 32.579

Sweetspot

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



18, 16.115, 162.578



26, 6.356, 166.796



18, 22.282, 128.978



12, 4.420, 166.733



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, 16.115, 162.578



23, 22.961, 160.440



18, 11.108, 204.751



9, 1.536, 167.752



33, 36.623, 155.460



77, 72.458, 153.363

Inverse Universe

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



11, 17.606, 354.622



13, 25.285, 357.512



11, 16.437, 28.997



8, 1.557, 348.817



17, 39.252, 5.892



46, 74.872, 10.453

Previews

White Background



This preview shows how the CIE LCh color 18, 16.115, 162.579 looks on a white background.

Color Contrast Check

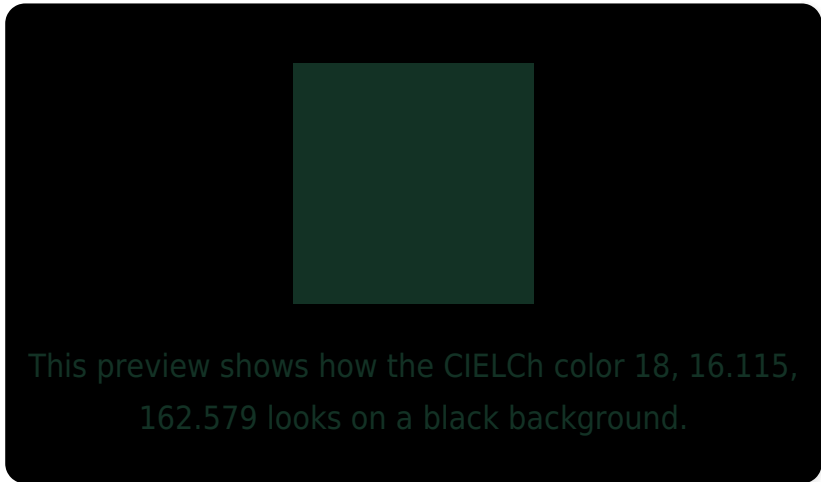
Large Text (above 18pt) WCAG AA ✓ Pass

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

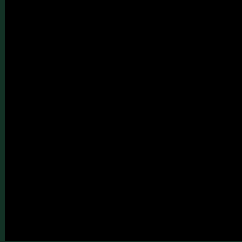
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 16.115, 162.579

Background



This preview shows how black text looks on a background with the CIELCh color 18, 16.115, 162.579.



This preview shows how white text looks on a background with the CIELCh color 18, 16.115, 162.579.

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, 16.115, 162.579

Protanopia

18, 7.029, 95.792

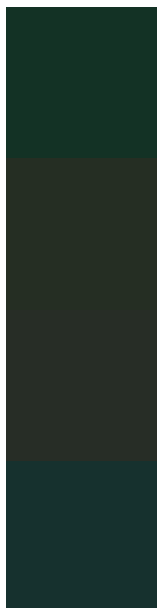
Deuteranopia

18, 4.900, 54.129



Tritanopia
18, 9.718, 214.315

Trichromacy



Original Color
18, 16.115, 162.579

Protanomaly
18, 8.775, 138.374

Deuteranomaly
18, 5.658, 139.870

Tritanomaly
18, 11.292, 186.523

Monochromacy



Original Color
18, 16.115, 162.579

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 6.292, 164.324

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 16.115, 162.579 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(19, 50, 37)` looks like.

```
.text, #text, p{  
    color:rgb(19, 50, 37)  
}
```

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(19, 50, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 50, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 16.115, 162.579 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(19, 50, 37) }
```

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

```
.border{ border-color:rgb(19, 50, 37) }
```

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

Here you see how a box with a 4 pixel rgb(19, 50, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 50, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 50, 37);  
box-shadow:4px 4px 4px 4px rgb(19, 50, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 16.115, 162.579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 50, 37) }
```

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

```
.background{ background-color: rgb(19, 50,  
37) }
```

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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