

Converting Colors

CIELCh(18, 16.417, 162.586)

Have a look what the booklet for
CIELCh(18, 16.417, 162.586)
contains.

CIELCh(18, 16.376, 163.115)	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, 16.376, 163.115)

Conversions

Conversions Part 1

Format	Color
Hex	123225
RGB	18, 50, 37
RGB Percent	7%, 20%, 15%
CMY	0.9304, 0.8049, 0.8558
CMYK	0.64, 0.00, 0.26, 0.80
HSL	156°, 47%, 13%
HSV	156°, 64%, 20%
XYZ	1.7048, 2.5180, 2.1270
YIQ	38.9500, -14.8990, -10.8270

Conversions

Conversions Part 2

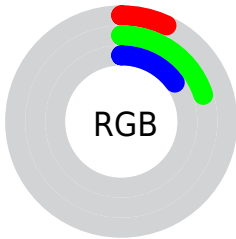
Format	Color
RYB	18, 38, 50
Decimal	1192485
CIELab	18.00, -15.67, 4.76
CIELCh	18, 16.376, 163.115
Yxy	2.5180, 0.2685, 0.3966
Android (android.graphics.Color)	4279382565 (0xFF123225)
YUV	38.9500, -0.9614, -18.3732
Hunter-Lab	15.8683, -8.5930, 3.1605

Details

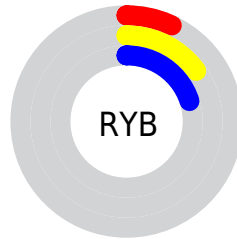
The CIELCh color **18, 16.376, 163.115** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **11, 18.038, 355.810**, and the grayscale version is **16, 0.003, 296.813**.

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, 18.476, 161.829**, and if you desaturate by 10%, it is **18, 14.103, 164.279**.

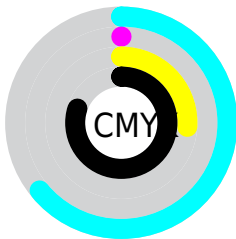
Distribution



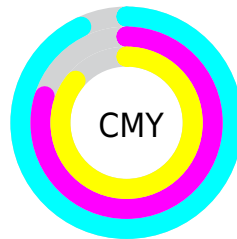
- Red (7%)
- Green (20%)
- Blue (15%)



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



- Cyan (64%)
- Magenta (0%)
- Yellow (26%)
- Black (80%)





- Cyan (93%)
- Magenta (80%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 16.376, 163.115 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, 16.376, 163.115 by changing the saturation by 10% instead.

 18, 16.376,
163.115


 18, 16.376,
163.115


 100, 16.376,
163.115


 8, 16.376, 163.115


 38, 16.376,
163.115

 0, 16.376, 163.115

 48, 16.376,
163.115


 58, 16.376,
163.115


 68, 16.376,
163.115


 78, 16.376,
163.115


 88, 16.376,


163.115

 98, 16.376,
163.115


 18, 16.376,
163.115


 18, 16.376,
163.115

 18, 18.476,
161.829


 18, 14.103,
164.279

 18, 20.404,
160.457

 19, 11.684,
165.338

 17, 22.355,
159.317

 19, 9.151, 166.307

 17, 23.487,
158.786

 19, 6.536, 167.199

 20, 3.867, 168.034

 20, 1.171, 168.892

■ 21, 1.531, 349.349

■ 22, 4.221, 350.084

■ 22, 6.884, 350.728

Harmonies

Complementary

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



18, 16.376, 163.115



11, 18.038, 355.810

Rectangle

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



18, 16.376, 163.115



18, 16.376, 213.115



18, 16.376, 343.115



18, 16.376, 33.115

Sweetspot

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



18, 16.376, 163.114



26, 6.298, 167.570



18, 23.050, 129.463



12, 4.379, 167.507



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, 16.376, 163.114



23, 23.145, 160.913



17, 11.184, 206.892



9, 1.523, 168.533



33, 36.106, 156.246



77, 71.383, 154.155

Inverse Universe

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



11, 18.038, 355.810



13, 25.710, 358.917



11, 16.783, 30.072



8, 1.544, 349.605



17, 39.250, 7.058



46, 75.024, 11.722

Previews

White Background



This preview shows how the CIELCh color 18, 16.376, 163.115 looks on a white background.

Color Contrast Check

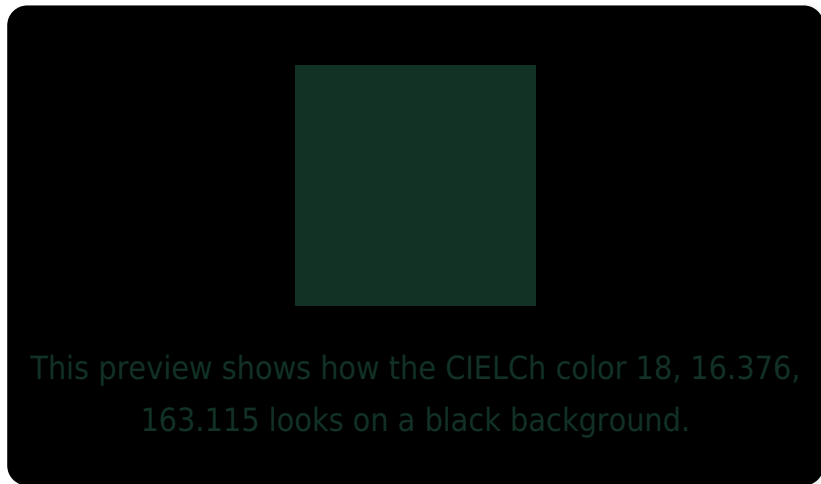
Large Text (above 18pt) WCAG AA ✓ Pass

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

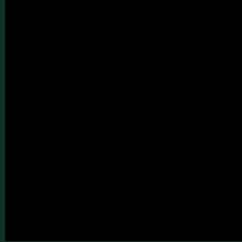
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 16.376, 163.115

Background



This preview shows how black text looks on a background with the CIELCh color 18, 16.376, 163.115.



This preview shows how white text looks on a background with the CIELCh color 18, 16.376, 163.115.

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, 16.376, 163.115

Protanopia
18, 7.029, 95.792

Deuteranopia
18, 4.900, 54.129



Tritanopia
18, 10.014, 213.760

Trichromacy



Original Color
18, 16.376, 163.115

Protanomaly
18, 9.033, 140.874

Deuteranomaly
18, 5.925, 143.693

Tritanomaly
18, 11.597, 186.742

Monochromacy



Original Color
18, 16.376, 163.115

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 6.666, 166.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 16.376, 163.115 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(18, 50, 37)` looks like.

```
.text, #text, p{  
    color:rgb(18, 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(18, 50, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 50, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 16.376, 163.115 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(18, 50, 37) }
```

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

```
.border{ border-color:rgb(18, 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(18, 50, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 50, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 50, 37);  
box-shadow:4px 4px 4px 4px rgb(18, 50, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 16.376, 163.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 50, 37) }
```

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

```
.background{ background-color: rgb(18, 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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