

Converting Colors

CIELCh(16, 19.553, 165.345)

Have a look what the booklet for
CIELCh(16, 19.553, 165.345)
contains.

CIELCh(16, 19.527, 165.345)	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(16, 19.527, 165.345)

Conversions

Conversions Part 1

Format	Color
Hex	022E20
RGB	2, 46, 32
RGB Percent	1%, 18%, 13%
CMY	0.9910, 0.8184, 0.8734
CMYK	0.95, 0.00, 0.30, 0.82
HSL	161°, 91%, 10%
HSV	161°, 95%, 18%
XYZ	1.2826, 2.0993, 1.7251
YIQ	31.2480, -21.7300, -13.6820

Conversions

Conversions Part 2

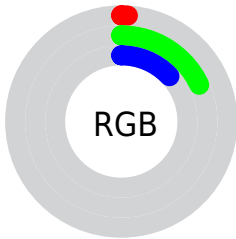
Format	Color
R_{YB}	2, 28, 46
Decimal	142880
CIE _{Lab}	16.00, -18.89, 4.94
CIE _{LCh}	16, 19.527, 165.345
Yxy	2.0993, 0.2511, 0.4111
Android (android.graphics.Color)	4278332960 (0xFF022E20)
YUV	31.2480, 0.3707, -25.6505
Hunter-Lab	14.4890, -9.5542, 3.0830

Details

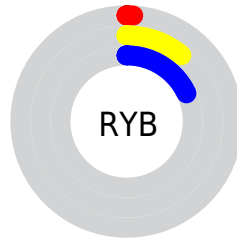
The CIELCh color **16, 19.527, 165.345** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **6, 23.224, 6.007**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 19.225, 165.735**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 20.383, 164.932**, and if you desaturate by 10%, it is **16, 17.842, 166.345**.

Distribution



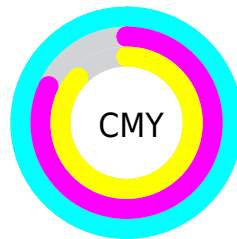
- Red (1%)
- Green (18%)
- Blue (13%)



- Red (1%)
- Yellow (11%)
- Blue (18%)



- Cyan (95%)
- Magenta (0%)
- Yellow (30%)
- Black (82%)





- Cyan (99%)
- Magenta (82%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 19.527, 165.345 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 16, 19.527, 165.345 by changing the saturation by 10% instead.

 16, 19.527,
165.345


 16, 19.527,
165.345


 100, 19.527,
165.345


 6, 19.527, 165.345


 36, 19.527,
165.345

 0, 19.527, 165.345

 46, 19.527,
165.345


 56, 19.527,
165.345


 66, 19.527,
165.345


 76, 19.527,
165.345


 86, 19.527,


165.345


 96, 19.527,
165.345


 16, 19.527,
165.345


 16, 19.527,
165.345


 16, 20.383,
164.932

 16, 17.842,
166.345

 16, 16.209,
167.585

 17, 14.447,
168.799

 17, 12.516,
169.910

 17, 10.440,
170.931

■ 18, 8.246, 171.877

■ 18, 5.961, 172.759

■ 18, 3.611, 173.596

■ 19, 1.220, 174.459

Harmonies

Complementary

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



16, 19.527, 165.345



6, 23.224, 6.007

Rectangle

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



16, 19.527, 165.345



16, 19.527, 215.345



16, 19.527, 345.345



16, 19.527, 35.345

Sweetspot

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



16, 19.527, 165.344



24, 8.667, 172.266



16, 29.953, 133.293



10, 5.802, 172.219



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



16, 19.527, 165.344



22, 24.809, 163.589



14, 12.766, 221.622



7, 1.237, 174.123



32, 31.983, 162.263



76, 63.624, 160.186

Inverse Universe

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



6, 23.224, 6.007



9, 30.521, 10.767



7, 20.799, 29.646



7, 1.226, 355.275



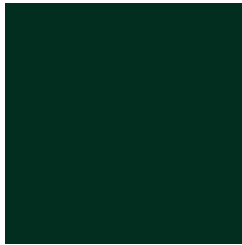
16, 38.922, 14.680



45, 76.458, 20.041

Previews

White Background



This preview shows how the CIELCh color 16, 19.527, 165.345 looks on a white background.

Color Contrast Check

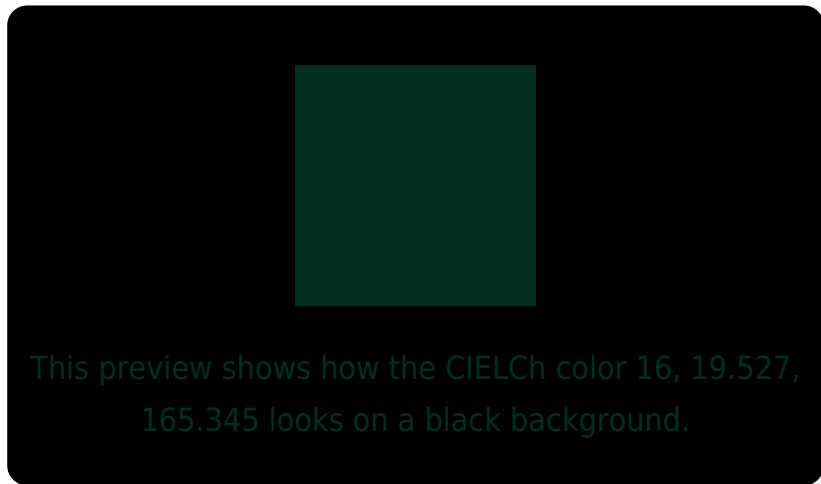
Large Text (above 18pt) WCAG AA ✓ Pass

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

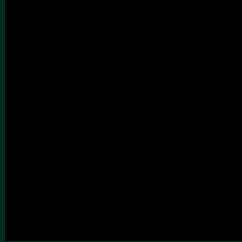
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 19.527, 165.345

Background



This preview shows how black text looks on a background with the CIELCh color 16, 19.527, 165.345.



This preview shows how white text looks on a background with the CIELCh color 16, 19.527, 165.345.

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
16, 19.527, 165.345

Protanopia
16, 7.130, 95.597

Deuteranopia
16, 5.416, 59.824



Tritanopia
16, 10.777, 212.580

Trichromacy



Original Color
16, 19.527, 165.345

Protanomaly
15, 10.322, 149.047

Deuteranomaly
16, 8.305, 148.444

Tritanomaly
16, 13.127, 187.377

Monochromacy



Original Color
16, 19.527, 165.345

Achromatopsia
12, 0.003, 296.813

Achromatomaly
13, 8.294, 171.746

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 19.527, 165.345 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(2, 46, 32)` looks like.

```
.text, #text, p{  
    color:rgb(2, 46, 32)  
}
```

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(2, 46, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 46, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 19.527, 165.345 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(2, 46, 32) }
```

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

```
.border{ border-color:rgb(2, 46, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 46, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 46, 32); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 46, 32); box-shadow:4px  
4px 4px 4px rgb(2, 46, 32) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 19.527, 165.345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 46, 32) }
```

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

```
.background{ background-color: rgb(2, 46,  
32) }
```

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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