

Converting Colors

CIELCh(17, 17.583, 165.727)

Have a look what the booklet for
CIELCh(17, 17.583, 165.727)
contains.

CIELCh(17, 17.757, 165.327)	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(17, 17.757, 165.327)

Conversions

Conversions Part 1

Format	Color
Hex	0A3023
RGB	10, 48, 35
RGB Percent	4%, 19%, 14%
CMY	0.9607, 0.8117, 0.8626
CMYK	0.79, 0.00, 0.27, 0.81
HSL	159°, 65%, 11%
HSV	159°, 79%, 19%
XYZ	1.4874, 2.3023, 1.9581
YIQ	35.1560, -18.4750, -12.0990

Conversions

Conversions Part 2

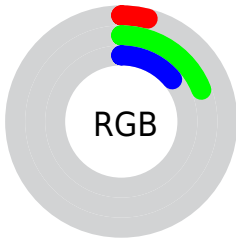
Format	Color
RYB	10, 33, 48
Decimal	667683
CIELab	17.00, -17.18, 4.50
CIELCh	17, 17.757, 165.327
Yxy	2.3023, 0.2588, 0.4006
Android (android.graphics.Color)	4278857763 (0xFF0A3023)
YUV	35.1560, -0.0769, -22.0618
Hunter-Lab	15.1734, -9.0561, 2.9702

Details

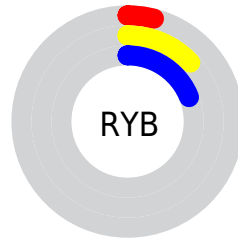
The CIELCh color **17, 17.757, 165.327** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **8, 20.660, 3.164**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 17.642, 165.400**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 19.482, 164.110**, and if you desaturate by 10%, it is **17, 15.967, 166.625**.

Distribution



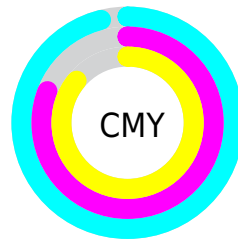
- Red (4%)
- Green (19%)
- Blue (14%)



- Red (4%)
- Yellow (13%)
- Blue (19%)



- Cyan (79%)
- Magenta (0%)
- Yellow (27%)
- Black (81%)





- Cyan (96%)
- Magenta (81%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 17.757, 165.327 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 17, 17.757, 165.327 by changing the saturation by 10% instead.

 17, 17.757,
165.327


 17, 17.757,
165.327


 100, 17.757,
165.327


 7, 17.757, 165.327


 37, 17.757,
165.327

 0, 17.757, 165.327

 47, 17.757,
165.327


 57, 17.757,
165.327


 67, 17.757,
165.327


 77, 17.757,
165.327


 87, 17.757,


165.327


 97, 17.757,
165.327


 17, 17.757,
165.327


 17, 17.757,
165.327


 17, 19.482,
164.110

 17, 15.967,
166.625

 17, 21.274,
163.147

 17, 13.992,
167.806

 17, 21.437,
163.072

 18, 11.858,
168.887

 18, 9.592, 169.880

 19, 7.224, 170.800

 19, 4.782, 171.661

■ 19, 2.290, 172.494

■ 20, 0.227, 352.407

■ 20, 2.751, 353.808

Harmonies

Complementary

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



17, 17.757, 165.327



8, 20.660, 3.164

Rectangle

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



17, 17.757, 165.327



17, 17.757, 215.327



17, 17.757, 345.327



17, 17.757, 35.327

Sweetspot

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



17, 17.757, 165.326



24, 7.330, 171.140



17, 26.956, 131.901



11, 4.914, 171.100



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



17, 17.757, 165.326



22, 24.503, 162.490



15, 11.781, 217.398



7, 1.255, 172.523



32, 32.879, 160.538



76, 65.535, 158.425

Inverse Universe

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



8, 20.660, 3.164



10, 29.054, 8.269



9, 18.787, 31.719



7, 1.243, 353.691



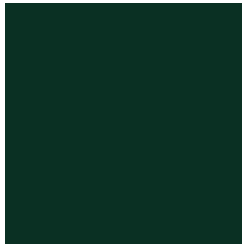
16, 38.715, 12.560



45, 75.702, 17.816

Previews

White Background



This preview shows how the CIELCh color 17, 17.757, 165.327 looks on a white background.

Color Contrast Check

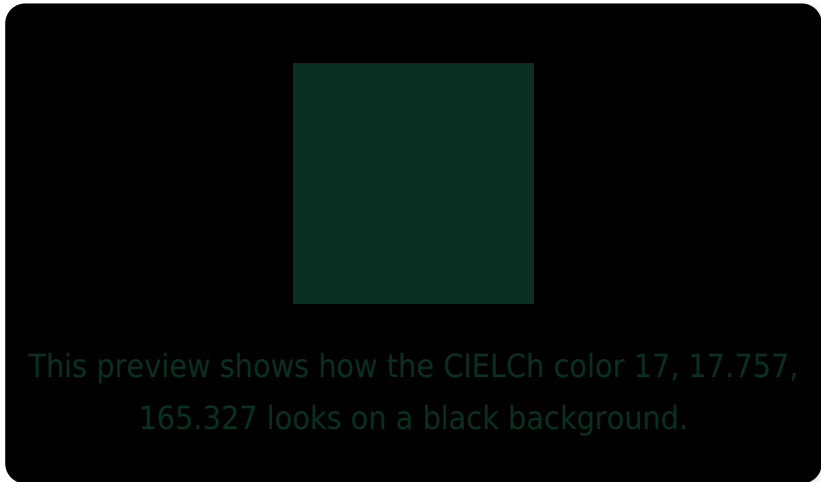
Large Text (above 18pt) WCAG AA ✓ Pass

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

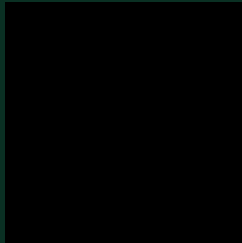
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 17.757, 165.327

Background



This preview shows how black text looks on a background with the CIELCh color 17, 17.757, 165.327.



This preview shows how white text looks on a background with the CIELCh color 17, 17.757, 165.327.

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](#).

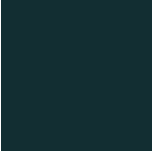
Dichromacy



Original Color
17, 17.757, 165.327

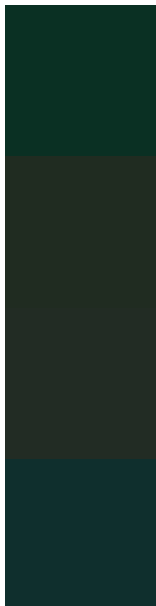
Protanopia
17, 7.079, 95.698

Deuteranopia
17, 4.501, 57.736



Tritanopia
17, 10.819, 212.450

Trichromacy



Original Color
17, 17.757, 165.327

Protanomaly
17, 9.654, 145.297

Deuteranomaly
17, 7.395, 149.264

Tritanomaly
17, 12.463, 190.419

Monochromacy



Original Color
17, 17.757, 165.327

Achromatopsia
14, 0.003, 296.813

Achromatomaly
15, 7.484, 169.433

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 17.757, 165.327 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(10, 48, 35)` looks like.

```
.text, #text, p{  
    color:rgb(10, 48, 35)  
}
```

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(10, 48, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 48, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 17.757, 165.327 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(10, 48, 35) }
```

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

```
.border{ border-color:rgb(10, 48, 35) }
```

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

Here you see how a box with a 4 pixel rgb(10, 48, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 48, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 48, 35);  
box-shadow:4px 4px 4px 4px rgb(10, 48, 35)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 17.757, 165.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 48, 35) }
```

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

```
.background{ background-color: rgb(10, 48,  
35) }
```

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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