

Converting Colors

CIELCh(18, 17.855, 157.210)

Have a look what the booklet for
CIELCh(18, 17.855, 157.210)
contains.

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Color

CIELCh(18, 17.785, 157.905)

Conversions

Conversions Part 1

Format	Color
Hex	123222
RGB	18, 50, 34
RGB Percent	7%, 20%, 13%
CMY	0.9297, 0.8042, 0.8669
CMYK	0.64, 0.00, 0.32, 0.80
HSL	150°, 47%, 13%
HSV	150°, 64%, 20%
XYZ	1.6734, 2.5180, 1.9061
YIQ	38.6080, -13.9360, -11.7600

Conversions

Conversions Part 2

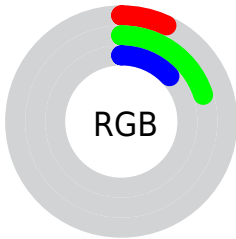
Format	Color
R_YB	18, 39, 50
Decimal	1192482
CIE Lab	18.00, -16.48, 6.69
CIE LCh	18, 17.785, 157.905
Yxy	2.5180, 0.2744, 0.4130
Android (android.graphics.Color)	4279382562 (0xFF123222)
YUV	38.6080, -2.2717, -18.0732
Hunter-Lab	15.8683, -8.9463, 3.9859

Details

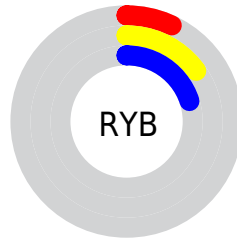
The CIELCh color **18, 17.785, 157.905** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **11, 18.793, 349.554**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 18.026, 156.953**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 20.150, 156.618**, and if you desaturate by 10%, it is **18, 15.250, 159.063**.

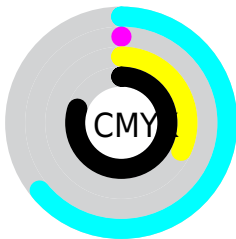
Distribution



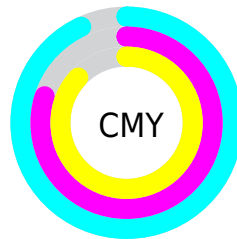
- Red (7%)
- Green (20%)
- Blue (13%)



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



- Cyan (64%)
- Magenta (0%)
- Yellow (32%)
- Black (80%)





- Cyan (93%)
- Magenta (80%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 17.785, 157.905 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, 17.785, 157.905 by changing the saturation by 10% instead.

 18, 17.785,
157.905


 18, 17.785,
157.905


 100, 17.785,
157.905


 8, 17.785, 157.905


 38, 17.785,
157.905

 0, 17.785, 157.905

 48, 17.785,
157.905


 58, 17.785,
157.905


 68, 17.785,
157.905


 78, 17.785,
157.905


 88, 17.785,


157.905

 98, 17.785,
157.905


 18, 17.785,
157.905

 18, 17.785,
157.905

 18, 20.150,
156.618


 18, 15.250,
159.063

 18, 22.340,
155.234

 19, 12.578,
160.107

 17, 24.539,
154.096

 19, 9.804, 161.051

 17, 25.861,
153.555

 20, 6.960, 161.912

 20, 4.077, 162.706

 21, 1.182, 163.513

■ 21, 1.704, 343.950

■ 22, 4.563, 344.618

■ 22, 7.381, 345.201

Harmonies

Complementary

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



18, 17.785, 157.905



11, 18.793, 349.554

Rectangle

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



18, 17.785, 157.905



18, 17.785, 207.905



18, 17.785, 337.905



18, 17.785, 27.905

Sweetspot

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



18, 17.785, 157.904



26, 6.745, 162.248



19, 22.501, 126.635



12, 4.691, 162.187



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, 17.785, 157.904



23, 25.302, 155.671



19, 12.171, 197.066



9, 1.625, 163.157



33, 39.885, 150.987



76, 79.180, 148.890

Inverse Universe

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



11, 18.793, 349.554



13, 26.577, 352.131



10, 17.868, 24.730



8, 1.642, 344.164



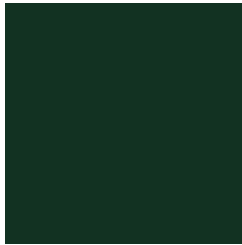
17, 39.694, 358.720



47, 74.902, 2.516

Previews

White Background



This preview shows how the CIELCh color 18, 17.785, 157.905 looks on a white background.

Color Contrast Check

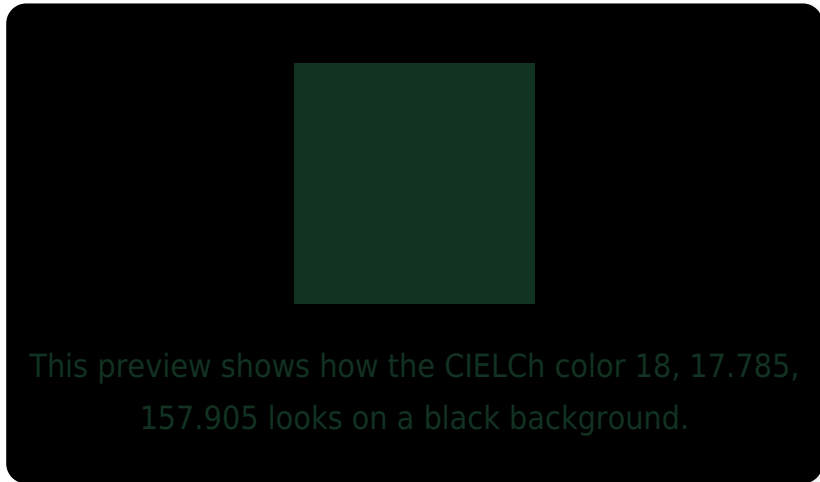
Large Text (above 18pt) WCAG AA ✓ Pass

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

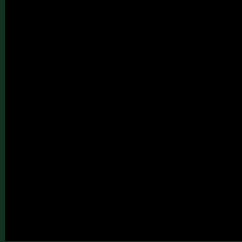
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 17.785, 157.905

Background



This preview shows how black text looks on a background with the CIELCh color 18, 17.785, 157.905.



This preview shows how white text looks on a background with the CIELCh color 18, 17.785, 157.905.

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, 17.785, 157.905

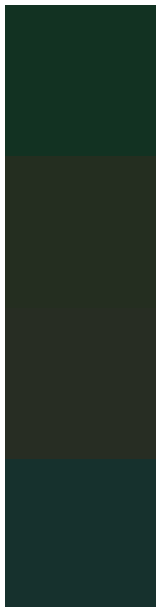
Protanopia
18, 9.036, 97.922

Deuteranopia
18, 6.222, 61.397



Tritanopia
18, 9.718, 214.315

Trichromacy



Original Color
18, 17.785, 157.905

Protanomaly
18, 10.823, 135.015

Deuteranomaly
18, 7.504, 131.699

Tritanomaly
18, 11.549, 183.189

Monochromacy



Original Color
18, 17.785, 157.905

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 7.097, 161.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 17.785, 157.905 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, 34)` looks like.

```
.text, #text, p{  
    color:rgb(18, 50, 34)  
}
```

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, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 50, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 17.785, 157.905 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, 34) }
```

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

```
.border{ border-color:rgb(18, 50, 34) }
```

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, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 50, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 50, 34);  
box-shadow:4px 4px 4px 4px rgb(18, 50, 34)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 17.785, 157.905 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, 34) }
```

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

```
.background{ background-color: rgb(18, 50,  
34) }
```

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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