

Converting Colors

CIELCh(17, 10.718, 193.057)

Have a look what the booklet for
CIELCh(17, 10.718, 193.057)
contains.

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Color

CIELCh(17, 10.565, 193.431)

Conversions

Conversions Part 1

Format	Color
Hex	142E2D
RGB	20, 46, 45
RGB Percent	8%, 18%, 18%
CMY	0.9211, 0.8192, 0.8231
CMYK	0.56, 0.00, 0.02, 0.82
HSL	178°, 39%, 13%
HSV	178°, 56%, 18%
XYZ	1.7475, 2.3023, 2.8454
YIQ	38.1120, -15.1750, -5.8230

Conversions

Conversions Part 2

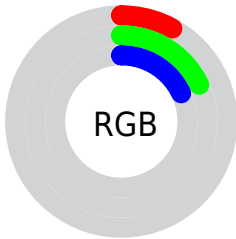
Format	Color
R_{YB}	20, 33, 46
Decimal	1322541
CIE Lab	17.00, -10.28, -2.45
CIE LCh	17, 10.565, 193.431
Yxy	2.3023, 0.2534, 0.3339
Android (android.graphics.Color)	4279512621 (0xFF142E2D)
YUV	38.1120, 3.3958, -15.8842
Hunter-Lab	15.1734, -5.9964, -0.4970

Details

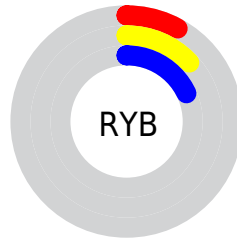
The CIELCh color **17, 10.565, 193.431** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 14.355, 21.325**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 10.594, 194.665**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 11.916, 192.982**, and if you desaturate by 10%, it is **17, 9.022, 193.892**.

Distribution



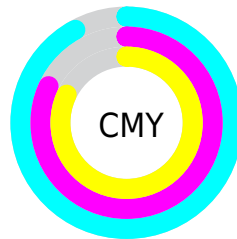
- Red (8%)
- Green (18%)
- Blue (18%)



- Red (8%)
- Yellow (13%)
- Blue (18%)



- Cyan (56%)
- Magenta (0%)
- Yellow (2%)
- Black (82%)





- Cyan (92%)
- Magenta (82%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 10.565, 193.431 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, 10.565, 193.431 by changing the saturation by 10% instead.

 17, 10.565,
193.431


 17, 10.565,
193.431


 100, 10.565,
193.431


 7, 10.565, 193.431


 37, 10.565,
193.431

 0, 10.565, 193.431

 47, 10.565,
193.431


 57, 10.565,
193.431


 67, 10.565,
193.431


 77, 10.565,
193.431


 87, 10.565,

193.431


 97, 10.565,
193.431

 17, 10.565,
193.431

 17, 10.565,
193.431


 17, 11.916,
192.982

 17, 9.022, 193.892


 17, 13.059,
192.549

 18, 7.308, 194.373

 18, 5.446, 194.873


 16, 14.068,
192.134

 18, 3.460, 195.401

 16, 15.112,
191.754

 19, 1.374, 196.007

 19, 0.791, 16.143

 16, 15.499,
191.623

 20, 3.015, 16.867

■ 20, 5.281, 17.440

■ 21, 7.573, 18.001

Harmonies

Complementary

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



17, 10.565, 193.431



10, 14.355, 21.325

Rectangle

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



17, 10.565, 193.431



17, 10.565, 243.431



17, 10.565, 13.431



17, 10.565, 63.431

Sweetspot

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



17, 10.565, 193.429



25, 4.541, 195.311



16, 21.342, 139.730



11, 2.966, 195.319



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, 10.565, 193.429



23, 15.074, 192.731



13, 9.870, 257.962



7, 1.114, 196.179



33, 23.498, 191.056



78, 45.338, 190.589

Inverse Universe

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



10, 14.355, 21.325



13, 22.636, 24.483



14, 11.767, 64.510



7, 1.115, 16.236



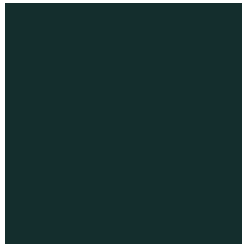
16, 43.174, 32.008



45, 90.093, 38.709

Previews

White Background



This preview shows how the CIELCh color 17, 10.565, 193.431 looks on a white background.

Color Contrast Check

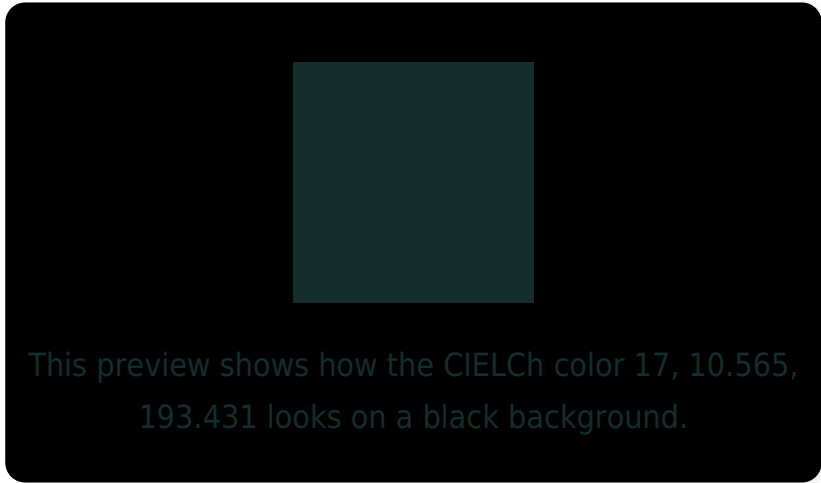
Large Text (above 18pt) WCAG AA ✓ Pass

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

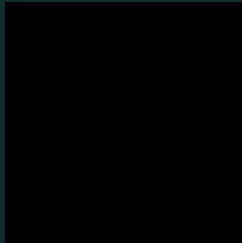
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 10.565, 193.431

Background



This preview shows how black text looks on a background with the CIELCh color 17, 10.565, 193.431.



This preview shows how white text looks on a background with the CIELCh color 17, 10.565, 193.431.

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

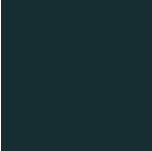
17, 10.565, 193.431

Protanopia

17, 0.003, 296.813

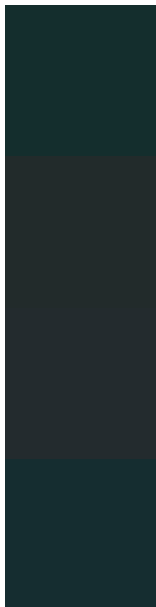
Deuteranopia

17, 3.770, 312.840



Tritanopia
17, 9.405, 215.065

Trichromacy



Original Color
17, 10.565, 193.431

Protanomaly
17, 4.104, 198.559

Deuteranomaly
17, 4.086, 229.656

Tritanomaly
17, 9.648, 210.188

Monochromacy



Original Color
17, 10.565, 193.431

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 4.556, 198.428

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 10.565, 193.431 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(20, 46, 45)` looks like.

```
.text, #text, p{  
    color:rgb(20, 46, 45)  
}
```

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(20, 46, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 46, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 10.565, 193.431 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(20, 46, 45) }
```

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

```
.border{ border-color:rgb(20, 46, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 46, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 46, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 46, 45);  
box-shadow:4px 4px 4px 4px rgb(20, 46, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 10.565, 193.431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 46, 45) }
```

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

```
.background{ background-color: rgb(20, 46,  
45) }
```

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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