

Converting Colors

CIELCh(18, 1.403, 20.116)

Have a look what the booklet for
CIELCh(18, 1.403, 20.116) contains.

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Color

CIELCh(18, 1.443, 19.592)

Conversions

Conversions Part 1

Format	Color
Hex	2E2B2B
RGB	46, 43, 43
RGB Percent	18%, 17%, 17%
CMY	0.8183, 0.8300, 0.8300
CMYK	0.00, 0.06, 0.06, 0.82
HSL	0°, 3%, 18%
HSV	0°, 6%, 18%
XYZ	2.4605, 2.5180, 2.6744
YIQ	43.8970, 1.7880, 0.6360

Conversions

Conversions Part 2

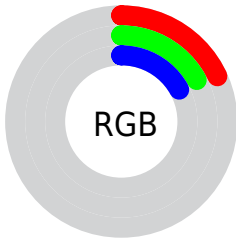
Format	Color
R_{YB}	46, 43, 43
Decimal	3025707
CIE Lab	18.00, 1.36, 0.48
CIE LCh	18, 1.443, 19.592
Yxy	2.5180, 0.3215, 0.3290
Android (android.graphics.Color)	4281215787 (0xFF2E2B2B)
YUV	43.8970, -0.4422, 1.8443
Hunter-Lab	15.8683, -0.0914, 1.1153

Details

The CIELCh color **18, 1.443, 19.592** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **19, 1.395, 199.286**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 1.709, 19.464**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 3.788, 20.284**, and if you desaturate by 10%, it is **20, 0.758, 199.550**.

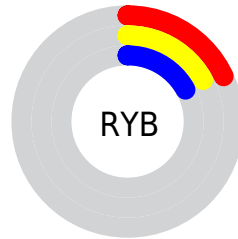
Distribution



Red (18%)

Green (17%)

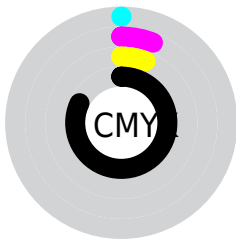
Blue (17%)



Red (18%)

Yellow (17%)

Blue (17%)

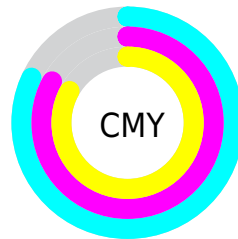


Cyan (0%)

Magenta (6%)

Yellow (6%)

Black (82%)



Cyan (82%)

Magenta (83%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 1.443, 19.592 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, 1.443, 19.592 by changing the saturation by 10% instead.

■ 18, 1.443, 19.592 ■ 18, 1.443, 19.592

100, 1.443, 19.592 ■ 8, 1.443, 19.592

■ 38, 1.443, 19.592 ■ 0, 1.443, 19.592

■ 48, 1.443, 19.592

■ 58, 1.443, 19.592

■ 68, 1.443, 19.592

■ 78, 1.443, 19.592

■ 88, 1.443, 19.592

■ 98, 1.443, 19.592

■ 18, 1.443, 19.592 ■ 18, 1.443, 19.592

16, 3.788, 20.284

20, 0.758, 199.550

15, 6.285, 21.020

21, 2.821, 198.968

13, 8.932, 21.917

23, 4.758, 198.618

12, 11.719, 23.029

25, 6.581, 198.338

10, 14.571, 23.953

27, 8.301, 198.108

9, 17.224, 23.406

28, 9.928, 197.914

8, 19.594, 22.197

30, 11.472,
197.750

7, 21.590, 21.269

32, 12.942,
197.610

6, 23.492, 20.584

33, 14.346,
197.489

Harmonies

Complementary

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



18, 1.443, 19.592



19, 1.395, 199.286

Rectangle

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



18, 1.443, 19.592



18, 1.443, 69.592



18, 1.443, 199.592



18, 1.443, 249.592

Sweetspot

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



18, 1.442, 19.619



25, 0.555, 19.109



18, 2.524, 324.695



11, 0.308, 19.012



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



18, 1.442, 19.619



24, 2.265, 19.758



18, 1.251, 74.672



7, 1.112, 19.331



16, 43.791, 33.549



45, 91.678, 40.003

Inverse Universe

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



19, 1.395, 199.286



25, 2.168, 199.165



18, 1.239, 256.191



7, 1.111, 199.554



33, 22.827, 196.436



78, 43.914, 196.441

Previews

White Background



This preview shows how the CIELCh color 18, 1.443, 19.592 looks on a white background.

Color Contrast Check

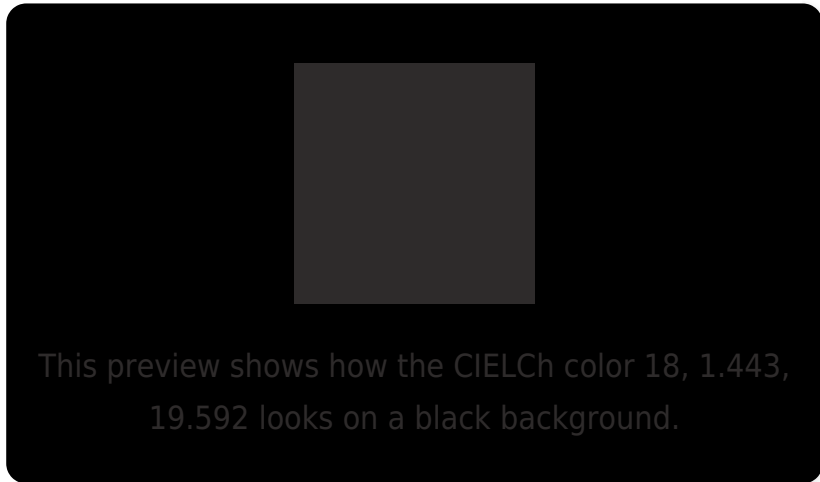
Large Text (above 18pt) WCAG AA ✓ Pass

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

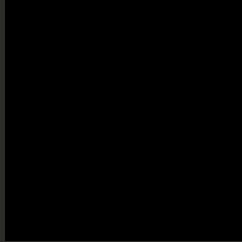
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 1.443, 19.592

Background



This preview shows how black text looks on a background with the CIELCh color 18, 1.443, 19.592.

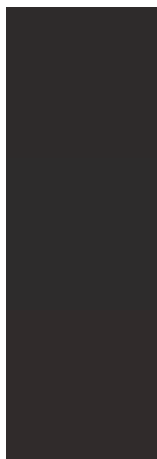


This preview shows how white text looks on a background with the CIELCh color 18, 1.443, 19.592.

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, 1.443, 19.592

Protanopia

18, 0.476, 19.101

Deuteranopia

18, 2.420, 19.863



Tritanopia
18, 2.818, 332.749

Trichromacy



Original Color

18, 1.443, 19.592

Protanomaly

18, 0.476, 19.101

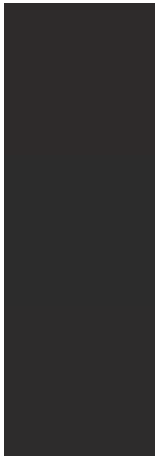
Deuteranomaly

18, 1.930, 19.734

Tritanomaly

18, 2.362, 344.165

Monochromacy



Original Color

18, 1.443, 19.592

Achromatopsia

18, 0.003, 296.813

Achromatomaly

18, 0.476, 19.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 1.443, 19.592 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(46, 43, 43)` looks like.

```
.text, #text, p{  
    color:rgb(46, 43, 43)  
}
```

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(46, 43, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 43, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 1.443, 19.592 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(46, 43, 43) }
```

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

```
.border{ border-color:rgb(46, 43, 43) }
```

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

Here you see how a box with a 4 pixel rgb(46, 43, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 43, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 43, 43);  
box-shadow:4px 4px 4px 4px rgb(46, 43, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 1.443, 19.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 43, 43) }
```

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

```
.background{ background-color: rgb(46, 43,  
43) }
```

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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