

Converting Colors

CIELCh(18, 24.671, 134.048)

Have a look what the booklet for
CIELCh(18, 24.671, 134.048)
contains.

CIELCh(18, 24.715, 133.693)	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(18, 24.715, 133.693)

Conversions

Conversions Part 1

Format	Color
Hex	1A3211
RGB	26, 50, 17
RGB Percent	10%, 20%, 7%
CMY	0.8989, 0.8048, 0.9342
CMYK	0.48, 0.00, 0.66, 0.80
HSL	104°, 50%, 13%
HSV	104°, 66%, 20%
XYZ	1.6505, 2.5180, 0.9204
YIQ	39.0620, -3.7110, -15.3510

Conversions

Conversions Part 2

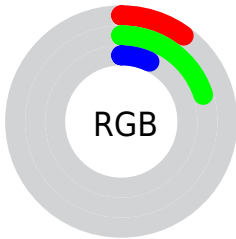
Format	Color
R_{YB}	17, 50, 41
Decimal	1716753
CIE _{Lab}	18.00, -17.07, 17.87
CIE _{LCh}	18, 24.715, 133.693
Yxy	2.5180, 0.3243, 0.4948
Android (android.graphics.Color)	4279906833 (0xFF1A3211)
YUV	39.0620, -10.8766, -11.4554
Hunter-Lab	15.8683, -9.2031, 7.6690

Details

The CIELCh color **18, 24.715, 133.693** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **10, 25.559, 318.826**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 25.141, 134.076**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 27.741, 133.694**, and if you desaturate by 10%, it is **18, 21.240, 134.148**.

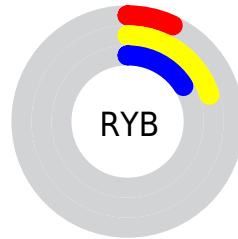
Distribution



Red (10%)

Green (20%)

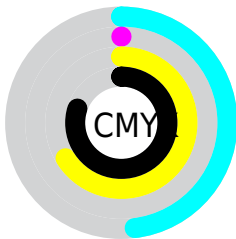
Blue (7%)



Red (7%)

Yellow (20%)

Blue (16%)

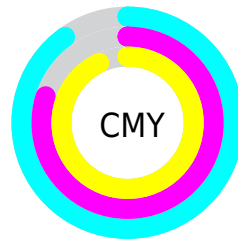


Cyan (48%)

Magenta (0%)

Yellow (66%)

Black (80%)



Cyan (90%)

Magenta (80%)

Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 18, 24.715, 133.693 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, 24.715, 133.693 by changing the saturation by 10% instead.


 18, 24.715,
133.693

 18, 24.715,
133.693

 100, 24.715,
133.693

 8, 24.715, 133.693


 38, 24.715,
133.693

 0, 24.715, 133.693

 48, 24.715,
133.693

 58, 24.715,
133.693

 68, 24.715,
133.693

 78, 24.715,
133.693


 88, 24.715,

133.693


 98, 24.715,
133.693

 18, 24.715,
133.693


 18, 24.715,
133.693


 18, 27.741,
133.694


 18, 21.240,
134.148


 18, 30.317,
134.008

 19, 17.591,
134.636

 17, 32.825,
134.158

 19, 13.838,
135.117

 17, 33.745,
134.168

 19, 10.029,
135.574

 20, 6.202, 135.999

■ 20, 2.383, 136.402

■ 21, 1.407, 316.667

■ 21, 5.151, 317.013

■ 22, 8.839, 317.294

Harmonies

Complementary

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



18, 24.715, 133.693



10, 25.559, 318.826

Rectangle

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



18, 24.715, 133.693



18, 24.715, 183.693



18, 24.715, 313.693



18, 24.715, 3.693

Sweetspot

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



18, 24.715, 133.694



26, 9.388, 135.802



17, 16.908, 87.763



12, 6.475, 135.776



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, 24.715, 133.694



23, 35.429, 133.035



18, 23.032, 145.926



9, 2.139, 136.344



33, 53.347, 132.697



76, 102.824, 133.750

Inverse Universe

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



10, 25.559, 318.826



11, 36.723, 319.091



11, 22.905, 334.933



8, 2.154, 316.859



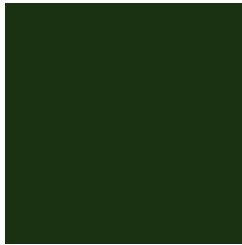
15, 55.215, 318.874



42, 105.453, 318.150

Previews

White Background



This preview shows how the CIE LCh color 18, 24.715, 133.693 looks on a white background.

Color Contrast Check

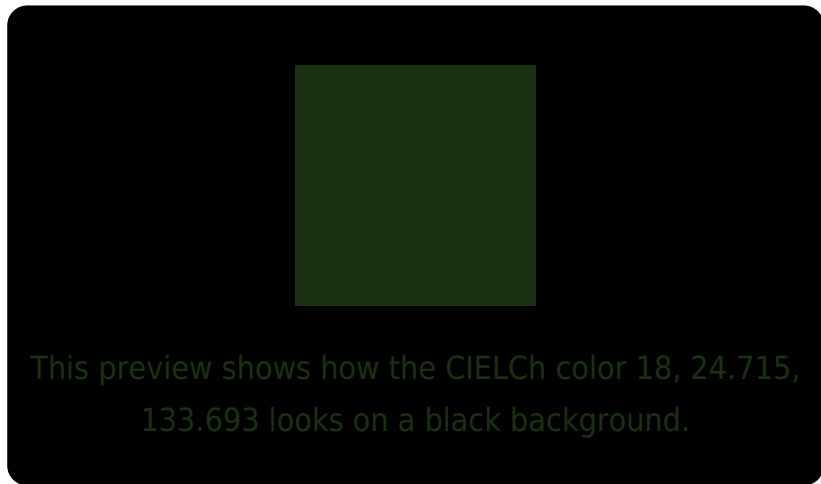
Large Text (above 18pt) WCAG AA ✓ Pass

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, 24.715, 133.693

Background



This preview shows how black text looks on a background with the CIELCh color 18, 24.715, 133.693.



This preview shows how white text looks on a background with the CIELCh color 18, 24.715, 133.693.

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](#).

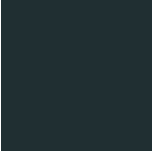
Dichromacy



Original Color
18, 24.715, 133.693

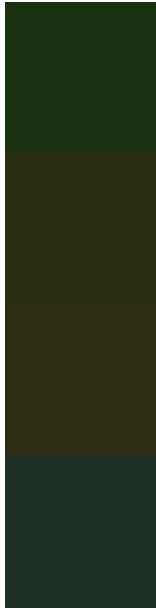
Protanopia
18, 19.313, 96.964

Deuteranopia
18, 17.355, 81.324



Tritanopia
18, 6.630, 216.527

Trichromacy



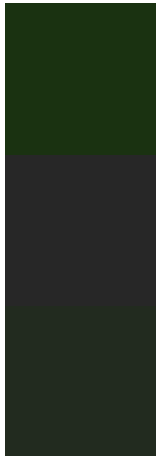
Original Color
18, 24.715, 133.693

Protanomaly
18, 19.874, 113.047

Deuteranomaly
18, 17.968, 107.293

Tritanomaly
18, 10.877, 157.987

Monochromacy



Original Color
18, 24.715, 133.693

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 9.474, 136.224

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 24.715, 133.693 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(26, 50, 17)` looks like.

```
.text, #text, p{  
    color:rgb(26, 50, 17)  
}
```

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(26, 50, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 50, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 24.715, 133.693 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(26, 50, 17) }
```

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

```
.border{ border-color:rgb(26, 50, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 50, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 50, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 50, 17);  
box-shadow:4px 4px 4px 4px rgb(26, 50, 17)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 24.715, 133.693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 50, 17) }
```

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

```
.background{ background-color: rgb(26, 50,  
17) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor