

Converting Colors

CIELCh(18, 71.669, 104.914)

Have a look what the booklet for
CIELCh(18, 71.669, 104.914)
contains.

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Color

CIELCh(18, 30.773, 123.906)

Conversions

Conversions Part 1

Format	Color
Hex	1E3200
RGB	30, 50, 0
RGB Percent	12%, 20%, 0%
CMY	0.8837, 0.8054, 1.0000
CMYK	0.40, 0.00, 1.00, 0.81
HSL	84°, 100%, 10%
HSV	84°, 100%, 19%
XYZ	1.6470, 2.5180, 0.3841
YIQ	38.3200, 4.1300, -19.7900

Conversions

Conversions Part 2

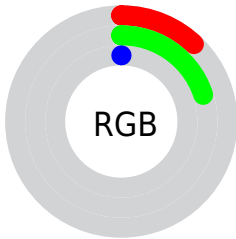
Format	Color
RYB	0, 50, 20
Decimal	1978880
CIELab	18.00, -17.17, 25.54
CIELCh	18, 30.773, 123.906
Yxy	2.5180, 0.3620, 0.5535
Android (android.graphics.Color)	4280168960 (0xFF1E3200)
YUV	38.3200, -18.8918, -7.2966
Hunter-Lab	15.8683, -9.2431, 9.6726

Details

The CIELCh color **18, 30.773, 123.906** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **3, 33.835, 307.096**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 30.439, 123.454**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 30.572, 124.042**, and if you desaturate by 10%, it is **18, 28.310, 123.651**.

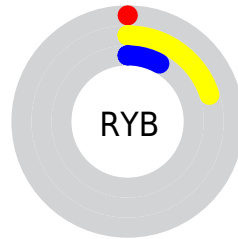
Distribution



Red (12%)

Green (20%)

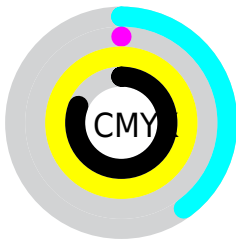
Blue (0%)



Red (0%)

Yellow (20%)

Blue (8%)

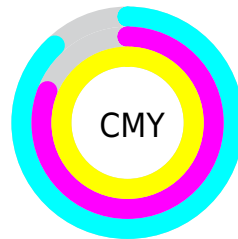


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (81%)



Cyan (88%)

Magenta (81%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 30.773, 123.906 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, 30.773, 123.906 by changing the saturation by 10% instead.

■ 18, 30.773,
123.906

■ 18, 30.773,
123.906

■ 100, 30.773,
123.906

■ 8, 30.773, 123.906

■ 38, 30.773,
123.906

■ 0, 30.773, 123.906

■ 48, 30.773,
123.906


■ 58, 30.773,
123.906


■ 68, 30.773,
123.906


■ 78, 30.773,
123.906


■ 88, 30.773,


123.906


 98, 30.773,
123.906


 18, 30.773,
123.906


 18, 30.773,
123.906

 18, 30.572,
124.042

 18, 28.310,
123.651

 18, 26.062,
123.199

 19, 23.561,
122.911

 19, 20.534,
123.118

 19, 17.283,
123.483

■ 19, 13.915,
123.893

■ 20, 10.476,
124.322

■ 20, 6.995, 124.753

■ 20, 3.496, 125.179

Harmonies

Complementary

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



18, 30.773, 123.906



3, 33.835, 307.096

Rectangle

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



18, 30.773, 123.906



18, 30.773, 173.906



18, 30.773, 303.906



18, 30.773, 353.906

Sweetspot

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



18, 30.572, 124.042



26, 12.926, 124.255



10, 20.587, 49.618



12, 8.906, 124.238



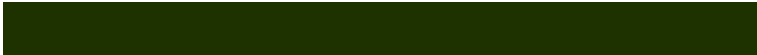
66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



18, 30.572, 124.042



24, 38.002, 122.915



17, 35.056, 137.404



9, 1.975, 125.269



34, 48.647, 123.248



79, 93.556, 124.599

Inverse Universe

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



3, 33.835, 307.096



5, 44.898, 310.244



7, 36.470, 324.896



8, 2.001, 305.890



10, 58.710, 310.699



32, 112.821, 309.791

Previews

White Background



This preview shows how the CIE LCh color 18, 30.773, 123.906 looks on a white background.

Color Contrast Check

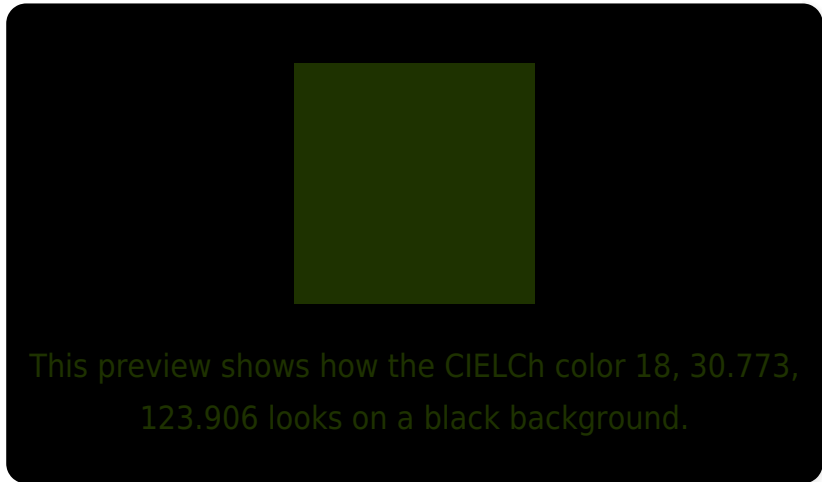
Large Text (above 18pt) WCAG AA ✓ Pass

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

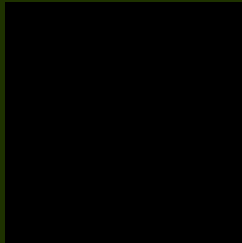
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 30.773, 123.906

Background



This preview shows how black text looks on a background with the CIELCh color 18, 30.773, 123.906.



This preview shows how white text looks on a background with the CIELCh color 18, 30.773, 123.906.

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, 30.773, 123.906

Protanopia
18, 25.730, 96.604

Deuteranopia
18, 22.005, 83.725



Tritanopia
18, 5.421, 229.372

Trichromacy



Original Color
18, 30.773, 123.906

Protanomaly
18, 26.593, 107.837

Deuteranomaly
18, 23.581, 103.168

Tritanomaly
18, 12.380, 141.035

Monochromacy



Original Color
18, 30.773, 123.906

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 12.902, 123.337

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 30.773, 123.906 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(30, 50, 0)` looks like.

```
.text, #text, p{  
    color:rgb(30, 50, 0)  
}
```

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(30, 50, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 50, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 30.773, 123.906 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(30, 50, 0) }
```

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

```
.border{ border-color:rgb(30, 50, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 50, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 50, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(30, 50, 0); box-shadow:4px  
4px 4px 4px rgb(30, 50, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 30.773, 123.906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 50, 0) }
```

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

```
.background{ background-color: rgb(30, 50,  
0) }
```

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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