

Converting Colors

CIELCh(18, 22.701, 140.942)

Have a look what the booklet for
CIELCh(18, 22.701, 140.942)
contains.

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Color

CIELCh(18, 23.012, 140.718)

Conversions

Conversions Part 1

Format	Color
Hex	163216
RGB	22, 50, 22
RGB Percent	9%, 20%, 9%
CMY	0.9134, 0.8036, 0.9134
CMYK	0.56, 0.00, 0.56, 0.80
HSL	120°, 39%, 14%
HSV	120°, 56%, 20%
XYZ	1.6224, 2.5180, 1.1634
YIQ	38.4360, -7.7000, -14.6440

Conversions

Conversions Part 2

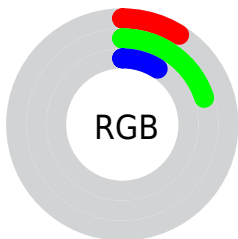
Format	Color
R_{YB}	22, 50, 50
Decimal	1454614
CIE _{Lab}	18.00, -17.81, 14.57
CIE _{LCh}	18, 23.012, 140.718
Yxy	2.5180, 0.3059, 0.4748
Android (android.graphics.Color)	4279644694 (0xFF163216)
YUV	38.4360, -8.1029, -14.4144
Hunter-Lab	15.8683, -9.5192, 6.7609

Details

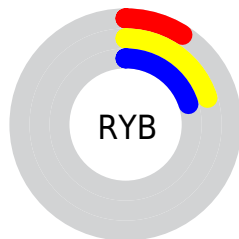
The CIELCh color **18, 23.012, 140.718** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **13, 22.920, 326.878**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 23.442, 140.790**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 26.687, 139.810**, and if you desaturate by 10%, it is **18, 19.090, 141.573**.

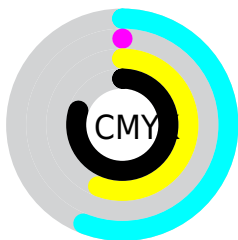
Distribution



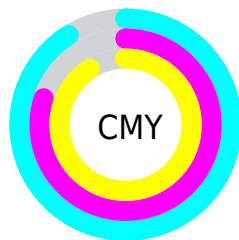
- Red (9%)
- Green (20%)
- Blue (9%)



- Red (9%)
- Yellow (20%)
- Blue (20%)



- Cyan (56%)
- Magenta (0%)
- Yellow (56%)
- Black (80%)



- Cyan (91%)
- Magenta (80%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 23.012, 140.718 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, 23.012, 140.718 by changing the saturation by 10% instead.

■ 18, 23.012,
140.718

■ 18, 23.012,
140.718

■ 100, 23.012,
140.718

■ 8, 23.012, 140.718

■ 38, 23.012,
140.718

■ 0, 23.012, 140.718

■ 48, 23.012,
140.718


■ 58, 23.012,
140.718


■ 68, 23.012,
140.718


■ 78, 23.012,
140.718


■ 88, 23.012,


140.718


 98, 23.012,
140.718


 18, 23.012,
140.718


 18, 23.012,
140.718


 18, 26.687,
139.810


 18, 19.090,
141.573

 17, 29.837,
139.265


 19, 15.009,
142.346

 17, 32.460,
139.057

 19, 10.840,
143.035

 17, 35.112,
139.020

 20, 6.640, 143.644

 17, 36.222,
139.049

 20, 2.454, 144.196

 21, 1.684, 324.555

■ 22, 5.750, 324.994

■ 23, 9.726, 325.347

■ 23, 13.603,
325.650

Harmonies

Complementary

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



18, 23.012, 140.718



13, 22.920, 326.878

Rectangle

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



18, 23.012, 140.718



18, 23.012, 190.718



18, 23.012, 320.718



18, 23.012, 10.718

Sweetspot

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



18, 23.012, 140.718



27, 8.979, 143.526



20, 18.127, 104.991



12, 5.875, 143.524



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, 23.012, 140.718



24, 33.971, 139.338



18, 15.990, 158.000



9, 2.328, 144.094



32, 55.683, 136.013



76, 105.947, 136.015

Inverse Universe

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



13, 22.920, 326.878



16, 33.630, 327.397



12, 16.763, 347.519



8, 2.334, 324.782



19, 53.728, 328.223



51, 102.225, 328.222

Previews

White Background



This preview shows how the CIELCh color 18, 23.012, 140.718 looks on a white background.

Color Contrast Check

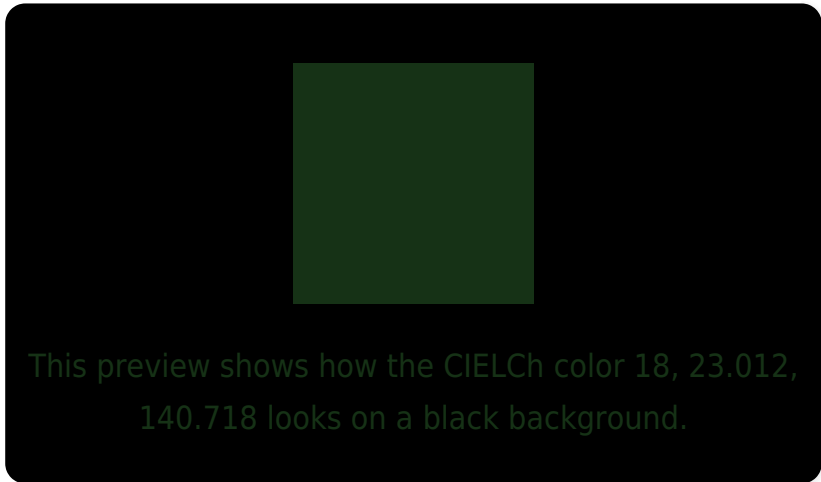
Large Text (above 18pt) WCAG AA ✓ Pass

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

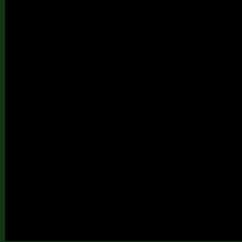
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 23.012, 140.718

Background



This preview shows how black text looks on a background with the CIELCh color 18, 23.012, 140.718.



This preview shows how white text looks on a background with the CIELCh color 18, 23.012, 140.718.

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, 23.012, 140.718

Protanopia
18, 16.396, 96.332

Deuteranopia
18, 14.084, 79.125



Tritanopia
18, 7.817, 218.897

Trichromacy



Original Color
18, 23.012, 140.718

Protanomaly
18, 17.130, 118.428

Deuteranomaly
18, 14.915, 112.506

Tritanomaly
18, 11.313, 167.829

Monochromacy



Original Color
18, 23.012, 140.718

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 8.544, 143.262

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 23.012, 140.718 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(22, 50, 22)` looks like.

```
.text, #text, p{  
    color:rgb(22, 50, 22)  
}
```

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(22, 50, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 50, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 23.012, 140.718 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(22, 50, 22) }
```

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

```
.border{ border-color:rgb(22, 50, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 50, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 50, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 50, 22);  
box-shadow:4px 4px 4px 4px rgb(22, 50, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 23.012, 140.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 50, 22) }
```

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

```
.background{ background-color: rgb(22, 50,  
22) }
```

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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