

Converting Colors

CIELCh(23, 30.944, 151.498)

Have a look what the booklet for
CIELCh(23, 30.944, 151.498)
contains.

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Color

CIELCh(23, 30.769, 151.873)

Conversions

Conversions Part 1

Format	Color
Hex	024020
RGB	2, 64, 32
RGB Percent	1%, 25%, 13%
CMY	0.9915, 0.7485, 0.8740
CMYK	0.97, 0.00, 0.50, 0.75
HSL	149°, 93%, 13%
HSV	149°, 97%, 25%
XYZ	2.1301, 3.8003, 1.9961
YIQ	41.8140, -26.6800, -23.0960

Conversions

Conversions Part 2

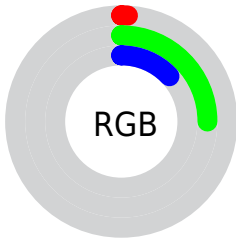
Format	Color
RYB	2, 44, 64
Decimal	147488
CIELab	23.00, -27.14, 14.51
CIELCh	23, 30.769, 151.873
Yxy	3.8003, 0.2687, 0.4794
Android (android.graphics.Color)	4278337568 (0xFF024020)
YUV	41.8140, -4.8383, -34.9169
Hunter-Lab	19.4944, -14.6114, 7.5750

Details

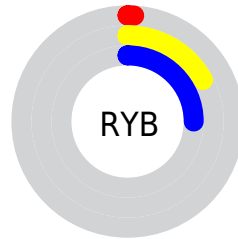
The CIELCh color **23, 30.769, 151.873** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **11, 31.303, 354.707**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **43, 30.933, 152.200**, and **4, 9.813, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 31.614, 151.464**, and if you desaturate by 10%, it is **23, 28.276, 153.282**.

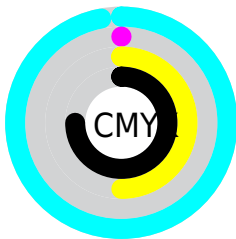
Distribution



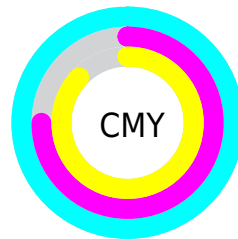
- Red (1%)
- Green (25%)
- Blue (13%)



- Red (1%)
- Yellow (17%)
- Blue (25%)



- Cyan (97%)
- Magenta (0%)
- Yellow (50%)
- Black (75%)





- Cyan (99%)
- Magenta (75%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 30.769, 151.873 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 23, 30.769, 151.873 by changing the saturation by 10% instead.

 23, 30.769,
151.873


 23, 30.769,
151.873

 100, 30.769,
151.873


 13, 30.769,
151.873


 43, 30.769,
151.873


 3, 30.769, 151.873

 53, 30.769,
151.873

 0, 30.769, 151.873

 63, 30.769,
151.873

 73, 30.769,
151.873

 83, 30.769,
151.873

 93, 30.769,

151.873

■ 23, 30.769,
151.873

■ 23, 30.769,
151.873

■ 23, 31.614,
151.464

■ 23, 28.276,
153.282

■ 23, 25.719,
154.870

■ 24, 22.893,
156.310

■ 24, 19.824,
157.599

■ 24, 16.554,
158.752

■ 25, 13.131,
159.786

■ 25, 9.602, 160.718

■ 26, 6.010, 161.567

■ 27, 2.393, 162.374

Harmonies

Complementary

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



23, 30.769, 151.873



11, 31.303, 354.707

Rectangle

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



23, 30.769, 151.873



23, 30.769, 201.873



23, 30.769, 331.873



23, 30.769, 21.873

Sweetspot

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



23, 30.769, 151.873



34, 13.085, 160.388



24, 38.114, 125.918



16, 9.048, 160.208



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



23, 30.769, 151.873



31, 38.783, 150.362



24, 18.527, 194.241



12, 2.064, 162.215



35, 43.178, 149.884



79, 82.765, 148.014

Inverse Universe

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



11, 31.303, 354.707



16, 38.335, 356.956



10, 32.423, 26.930



12, 2.085, 343.323



19, 42.157, 357.735



48, 77.086, 1.008

Previews

White Background



This preview shows how the CIELCh color 23, 30.769, 151.873 looks on a white background.

Color Contrast Check

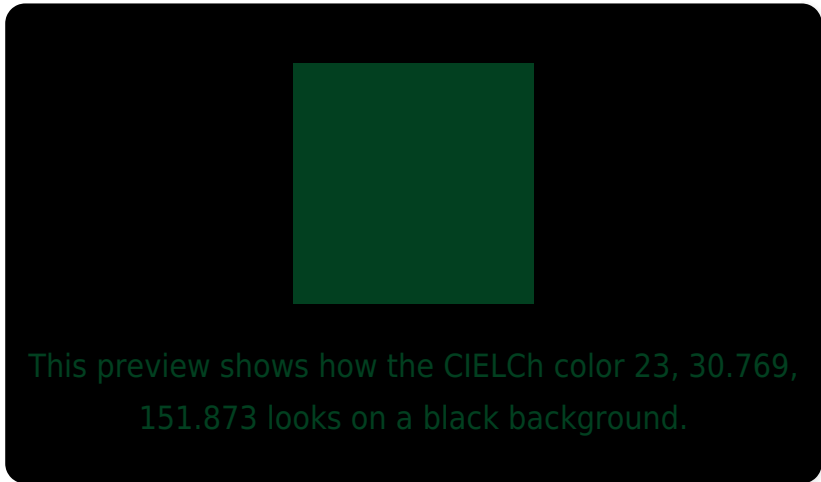
Large Text (above 18pt) WCAG AA ✓ Pass

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

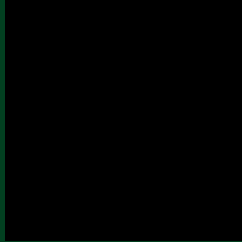
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 30.769, 151.873

Background



This preview shows how black text looks on a background with the CIELCh color 23, 30.769, 151.873.



This preview shows how white text looks on a background with the CIELCh color 23, 30.769, 151.873.

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
23, 30.769, 151.873

Protanopia
23, 17.289, 95.809

Deuteranopia
23, 14.105, 76.322



Tritanopia
23, 12.914, 212.500

Trichromacy



Original Color
23, 30.769, 151.873

Protanomaly
22, 20.303, 131.919

Deuteranomaly
22, 16.629, 131.175

Tritanomaly
23, 17.861, 176.622

Monochromacy



Original Color
23, 30.769, 151.873

Achromatopsia
17, 0.003, 296.813

Achromatomaly
19, 13.040, 157.830

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 30.769, 151.873 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(2, 64, 32)` looks like.

```
.text, #text, p{  
    color:rgb(2, 64, 32)  
}
```

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(2, 64, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 64, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 30.769, 151.873 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(2, 64, 32) }
```

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

```
.border{ border-color:rgb(2, 64, 32) }
```

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

Here you see how a box with a 4 pixel rgb(2, 64, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 64, 32); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 64, 32); box-shadow:4px  
4px 4px 4px rgb(2, 64, 32) }
```

Background

The CSS property to change the background color of an element to CIELCh 23, 30.769, 151.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 64, 32) }
```

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

```
.background{ background-color: rgb(2, 64,  
32) }
```

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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