

Converting Colors

CIELCh(23, 30.768, 119.905)

Have a look what the booklet for
CIELCh(23, 30.768, 119.905)
contains.

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Color

CIELCh(23, 30.647, 119.579)

Conversions

Conversions Part 1

Format	Color
Hex	2C3C0B
RGB	44, 60, 11
RGB Percent	17%, 24%, 4%
CMY	0.8272, 0.7644, 0.9566
CMYK	0.27, 0.00, 0.82, 0.76
HSL	80°, 69%, 14%
HSV	80°, 82%, 24%
XYZ	2.7220, 3.8003, 0.9090
YIQ	49.6300, 6.1930, -18.6310

Conversions

Conversions Part 2

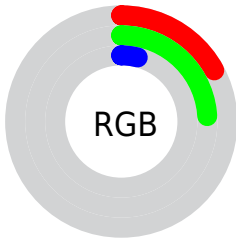
Format	Color
R_{YB}	11, 60, 27
Decimal	2898955
CIE Lab	23.00, -15.13, 26.65
CIE LCh	23, 30.647, 119.579
Yxy	3.8003, 0.3663, 0.5114
Android (android.graphics.Color)	4281089035 (0xFF2C3C0B)
YUV	49.6300, -19.0446, -4.9375
Hunter-Lab	19.4944, -9.1910, 10.8814

Details

The CIELCh color **23, 30.647, 119.579** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **7, 35.988, 307.957**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 30.431, 118.991**, and **4, 9.813, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 33.251, 119.748**, and if you desaturate by 10%, it is **23, 27.611, 119.682**.

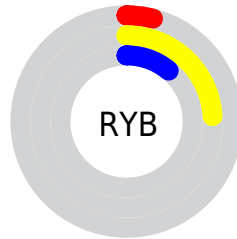
Distribution



Red (17%)

Green (24%)

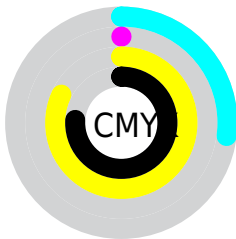
Blue (4%)



Red (4%)

Yellow (24%)

Blue (11%)

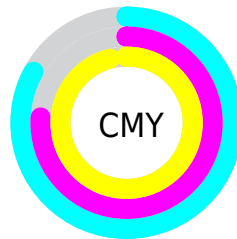


Cyan (27%)

Magenta (0%)

Yellow (82%)

Black (76%)



Cyan (83%)


Magenta (76%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 30.647, 119.579 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, 30.647, 119.579 by changing the saturation by 10% instead.

 23, 30.647,
119.579


 23, 30.647,
119.579

 100, 30.647,
119.579


 13, 30.647,
119.579


 43, 30.647,
119.579


 3, 30.647, 119.579

 53, 30.647,
119.579

 0, 30.647, 119.579

 63, 30.647,
119.579

 73, 30.647,
119.579

 83, 30.647,
119.579

 93, 30.647,

119.579

■ 23, 30.647,
119.579

■ 23, 30.647,
119.579

■ 23, 33.251,
119.748

■ 23, 27.611,
119.682

■ 23, 35.448,
119.882

■ 23, 24.194,
119.962

■ 24, 20.523,
120.349

■ 24, 16.684,
120.798

■ 24, 12.737,
121.279

■ 25, 8.727, 121.770

■ 25, 4.682, 122.259

■ 25, 0.627, 122.765

■ 26, 3.423, 303.171

Harmonies

Complementary

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



23, 30.647, 119.579



7, 35.988, 307.957

Rectangle

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



23, 30.647, 119.579



23, 30.647, 169.579



23, 30.647, 299.579



23, 30.647, 349.579

Sweetspot

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



23, 30.647, 119.581



33, 12.205, 121.594



14, 22.439, 48.111



16, 8.459, 121.521



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



23, 30.647, 119.581



30, 43.054, 119.817



22, 35.089, 135.056



11, 2.284, 122.409



36, 49.477, 120.164



81, 92.883, 121.320

Inverse Universe

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



7, 35.988, 307.957



8, 53.450, 309.337



11, 35.586, 321.886



10, 2.318, 303.200



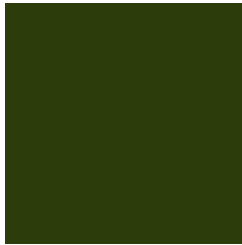
10, 61.953, 309.341



31, 116.512, 308.576

Previews

White Background



This preview shows how the CIE LCh color 23, 30.647, 119.579 looks on a white background.

Color Contrast Check

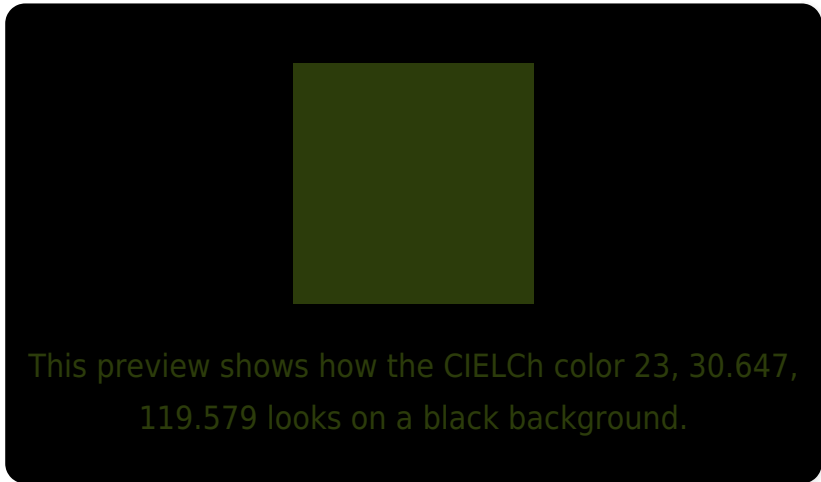
Large Text (above 18pt) WCAG AA ✓ Pass

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

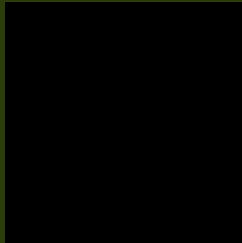
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 30.647, 119.579

Background



This preview shows how black text looks on a background with the CIELCh color 23, 30.647, 119.579.



This preview shows how white text looks on a background with the CIELCh color 23, 30.647, 119.579.

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

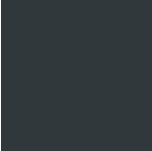
23, 30.647, 119.579

Protanopia

23, 27.709, 96.030

Deuteranopia

23, 25.582, 83.147



Tritanopia
23, 3.987, 241.196

Trichromacy



Original Color
23, 30.647, 119.579

Protanomaly
23, 28.376, 106.110

Deuteranomaly
23, 25.745, 98.306

Tritanomaly
23, 11.056, 133.654

Monochromacy



Original Color
23, 30.647, 119.579

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 12.313, 121.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 30.647, 119.579 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(44, 60, 11)` looks like.

```
.text, #text, p{  
    color:rgb(44, 60, 11)  
}
```

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(44, 60, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 60, 11) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 30.647, 119.579 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(44, 60, 11) }
```

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

```
.border{ border-color:rgb(44, 60, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 60, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 60, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 60, 11);  
box-shadow:4px 4px 4px 4px rgb(44, 60, 11)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 30.647, 119.579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 60, 11) }
```

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

```
.background{ background-color: rgb(44, 60,  
11) }
```

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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