

Converting Colors

CIELCh(23, 13.107, 127.315)

Have a look what the booklet for
CIELCh(23, 13.107, 127.315)
contains.

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Color

CIELCh(23, 13.248, 126.818)

Conversions

Conversions Part 1

Format	Color
Hex	313A27
RGB	49, 58, 39
RGB Percent	19%, 23%, 15%
CMY	0.8086, 0.7733, 0.8478
CMYK	0.16, 0.00, 0.33, 0.77
HSL	88°, 20%, 19%
HSV	88°, 33%, 23%
XYZ	3.1241, 3.8003, 2.4725
YIQ	53.1430, 0.7350, -7.8170

Conversions

Conversions Part 2

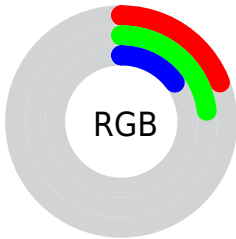
Format	Color
RYB	39, 58, 48
Decimal	3226151
CIELab	23.00, -7.94, 10.61
CIELCh	23, 13.248, 126.818
Yxy	3.8003, 0.3325, 0.4044
Android (android.graphics.Color)	4281416231 (0xFF313A27)
YUV	53.1430, -6.9725, -3.6334
Hunter-Lab	19.4944, -5.5094, 6.1261

Details

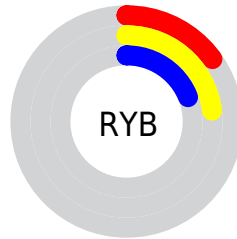
The CIELCh color **23, 13.248, 126.818** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **17, 13.811, 309.558**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 13.274, 127.367**, and **3, 8.406, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 17.208, 126.401**, and if you desaturate by 10%, it is **23, 9.232, 127.242**.

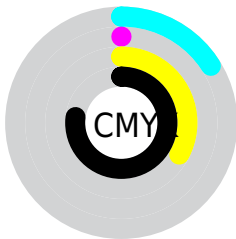
Distribution



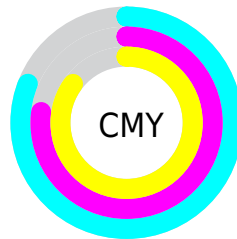
- Red (19%)
- Green (23%)
- Blue (15%)



- Red (15%)
- Yellow (23%)
- Blue (19%)



- Cyan (16%)
- Magenta (0%)
- Yellow (33%)
- Black (77%)



- Cyan (81%)
- Magenta (77%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 23, 13.248, 126.818 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, 13.248, 126.818 by changing the saturation by 10% instead.

■ 23, 13.248,
126.818

■ 23, 13.248,
126.818

■ 100, 13.248,
126.818

■ 13, 13.248,
126.818

■ 43, 13.248,
126.818

■ 3, 13.248, 126.818

■ 53, 13.248,
126.818

■ 0, 13.248, 126.818

■ 63, 13.248,
126.818

■ 73, 13.248,
126.818

■ 83, 13.248,
126.818

■ 93, 13.248,

126.818

■ 23, 13.248,
126.818

■ 23, 13.248,
126.818

■ 23, 17.208,
126.401

■ 23, 9.232, 127.242

■ 22, 21.065,
126.008

■ 24, 5.190, 127.657

■ 22, 24.759,
125.673

■ 24, 1.147, 128.080

■ 22, 28.207,
125.442

■ 25, 6.879, 308.746

■ 22, 31.205,
125.501

■ 26, 10.839,
309.065

■ 21, 33.865,
125.784

■ 26, 14.752,
309.356

■ 21, 35.771,
125.943

■ 27, 18.614,
309.622

■ 27, 22.421,
309.864

Harmonies

Complementary

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



23, 13.248, 126.818



17, 13.811, 309.558

Rectangle

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



23, 13.248, 126.818



23, 13.248, 176.818



23, 13.248, 306.818



23, 13.248, 356.818

Sweetspot

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



23, 13.249, 126.820



31, 4.959, 127.755



21, 7.950, 68.383



15, 3.416, 127.736



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



23, 13.249, 126.820



30, 19.260, 126.489



22, 15.331, 141.707



10, 2.179, 127.844



35, 50.744, 126.002



79, 96.689, 127.337

Inverse Universe

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



17, 13.811, 309.558



21, 20.304, 309.942



18, 15.358, 325.016



9, 2.205, 308.457



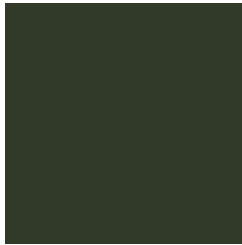
11, 59.042, 312.102



34, 112.120, 311.192

Previews

White Background



This preview shows how the CIE LCh color 23, 13.248, 126.818 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



This preview shows how the CIELCh color 23, 13.248, 126.818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

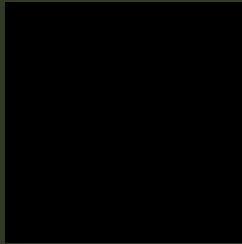
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 13.248, 126.818

Background



This preview shows how black text looks on a background with the CIELCh color 23, 13.248, 126.818.

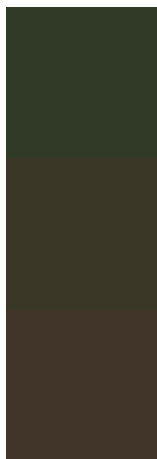


This preview shows how white text looks on a background with the CIELCh color 23, 13.248, 126.818.

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, 13.248, 126.818

Protanopia

23, 11.411, 97.415

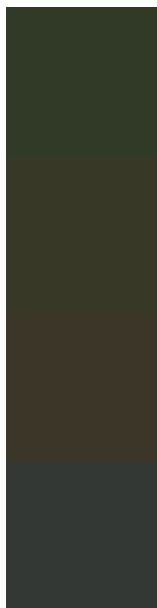
Deuteranopia

23, 10.471, 69.138



Tritanopia
23, 3.561, 269.235

Trichromacy



Original Color
23, 13.248, 126.818

Protanomaly
23, 11.858, 109.951

Deuteranomaly
23, 9.631, 92.932

Tritanomaly
23, 3.542, 150.075

Monochromacy



Original Color
23, 13.248, 126.818

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 5.046, 131.074

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 13.248, 126.818 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(49, 58, 39)` looks like.

```
.text, #text, p{  
    color:rgb(49, 58, 39)  
}
```

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(49, 58, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 58, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 13.248, 126.818 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(49, 58, 39) }
```

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

```
.border{ border-color:rgb(49, 58, 39) }
```

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

Here you see how a box with a 4 pixel rgb(49, 58, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 58, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 58, 39);  
box-shadow:4px 4px 4px 4px rgb(49, 58, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 13.248, 126.818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 58, 39) }
```

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

```
.background{ background-color: rgb(49, 58,  
39) }
```

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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