

Converting Colors

CIELCh(23, 23.209, 130.691)

Have a look what the booklet for
CIELCh(23, 23.209, 130.691)
contains.

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Color

CIELCh(23, 22.859, 131.125)

Conversions

Conversions Part 1

Format	Color
Hex	283C1C
RGB	40, 60, 28
RGB Percent	16%, 24%, 11%
CMY	0.8421, 0.7637, 0.8892
CMYK	0.33, 0.00, 0.53, 0.76
HSL	97°, 36%, 17%
HSV	97°, 53%, 24%
XYZ	2.7270, 3.8003, 1.7036
YIQ	50.3720, -1.6480, -14.1920

Conversions

Conversions Part 2

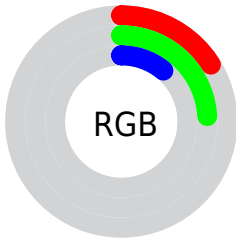
Format	Color
RYB	28, 60, 48
Decimal	2636828
CIELab	23.00, -15.03, 17.22
CIELCh	23, 22.859, 131.125
Yxy	3.8003, 0.3313, 0.4617
Android (android.graphics.Color)	4280826908 (0xFF283C1C)
YUV	50.3720, -11.0294, -9.0962
Hunter-Lab	19.4944, -9.1452, 8.4649

Details

The CIELCh color **23, 22.859, 131.125** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **14, 23.933, 315.313**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **43, 22.724, 131.074**, and **4, 9.813, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **23, 26.852, 130.734**, and if you desaturate by 10%, it is **23, 18.686, 131.558**.

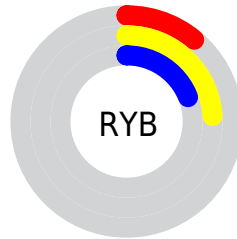
Distribution



Red (16%)

Green (24%)

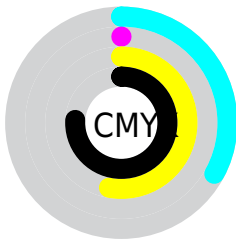
Blue (11%)



Red (11%)

Yellow (24%)

Blue (19%)

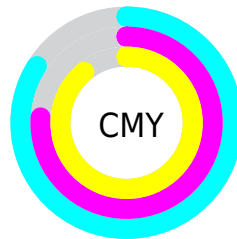


Cyan (33%)

Magenta (0%)

Yellow (53%)

Black (76%)



Cyan (84%)


Magenta (76%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 23, 22.859, 131.125 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, 22.859, 131.125 by changing the saturation by 10% instead.

 23, 22.859,
131.125


 23, 22.859,
131.125

 100, 22.859,
131.125


 13, 22.859,
131.125


 43, 22.859,
131.125


 3, 22.859, 131.125

 53, 22.859,
131.125

 0, 22.859, 131.125

 63, 22.859,
131.125

 73, 22.859,
131.125

 83, 22.859,
131.125

 93, 22.859,

131.125

■ 23, 22.859,
131.125

■ 23, 22.859,
131.125

■ 23, 26.852,
130.734

■ 23, 18.686,
131.558

■ 22, 30.569,
130.430

■ 24, 14.403,
131.999

■ 22, 33.844,
130.346

■ 24, 10.062,
132.428

■ 22, 36.734,
130.469

■ 25, 5.703, 132.835

■ 22, 38.702,
130.478

■ 25, 1.354, 133.246

■ 26, 2.963, 313.514

■ 26, 7.233, 313.835

■ 27, 11.443,
314.115

■ 28, 15.586,
314.363

Harmonies

Complementary

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



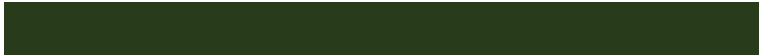
23, 22.859, 131.125



14, 23.933, 315.313

Rectangle

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



23, 22.859, 131.125



23, 22.859, 181.125



23, 22.859, 311.125



23, 22.859, 1.125

Sweetspot

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



23, 22.860, 131.126



33, 8.718, 132.690



21, 14.901, 80.776



16, 5.941, 132.663



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, 22.860, 131.126



30, 33.929, 130.602



22, 23.643, 143.959



11, 2.437, 133.021



35, 54.115, 130.584



78, 102.145, 131.751

Inverse Universe

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



14, 23.933, 315.313



17, 35.923, 315.746



16, 23.562, 330.510



10, 2.458, 313.590



14, 58.435, 315.793



39, 109.486, 314.976

Previews

White Background



This preview shows how the CIELCh color 23, 22.859, 131.125 looks on a white background.

Color Contrast Check

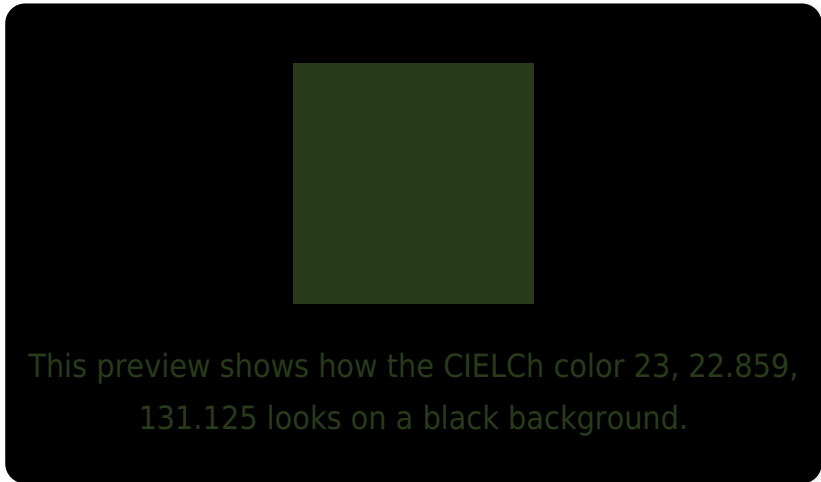
Large Text (above 18pt) WCAG AA ✓ Pass

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

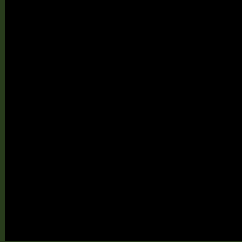
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 23, 22.859, 131.125

Background



This preview shows how black text looks on a background with the CIELCh color 23, 22.859, 131.125.



This preview shows how white text looks on a background with the CIELCh color 23, 22.859, 131.125.

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, 22.859, 131.125

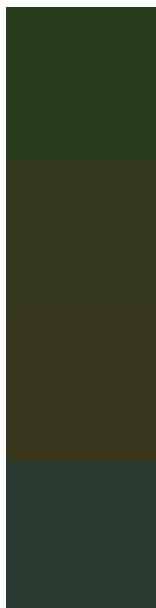
Protanopia
23, 19.116, 96.313

Deuteranopia
23, 16.755, 78.395



Tritanopia
23, 5.656, 226.928

Trichromacy



Original Color
23, 22.859, 131.125

Protanomaly
23, 19.464, 111.995

Deuteranomaly
23, 17.004, 102.801

Tritanomaly
23, 9.142, 156.808

Monochromacy



Original Color
23, 22.859, 131.125

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 8.103, 132.938

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 23, 22.859, 131.125 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(40, 60, 28)` looks like.

```
.text, #text, p{  
    color:rgb(40, 60, 28)  
}
```

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(40, 60, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 60, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 23, 22.859, 131.125 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(40, 60, 28) }
```

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

```
.border{ border-color:rgb(40, 60, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 60, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 60, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 60, 28);  
box-shadow:4px 4px 4px 4px rgb(40, 60, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 23, 22.859, 131.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 60, 28) }
```

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

```
.background{ background-color: rgb(40, 60,  
28) }
```

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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