

Converting Colors

CIELCh(13, 23.392, 141.355)

Have a look what the booklet for
CIELCh(13, 23.392, 141.355)
contains.

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Color

CIELCh(13, 23.149, 141.094)

Conversions

Conversions Part 1

Format	Color
Hex	0B270A
RGB	11, 39, 10
RGB Percent	4%, 15%, 4%
CMY	0.9561, 0.8461, 0.9593
CMYK	0.71, 0.00, 0.74, 0.85
HSL	118°, 58%, 10%
HSV	118°, 74%, 15%
XYZ	0.9311, 1.5625, 0.5506
YIQ	27.3220, -7.3790, -14.9550

Conversions

Conversions Part 2

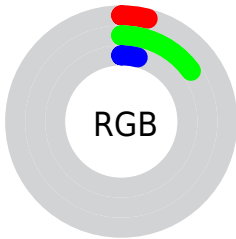
Format	Color
R_YB	10, 39, 38
Decimal	730890
CIE _{Lab}	13.00, -18.01, 14.54
CIE _{LCh}	13, 23.149, 141.094
Yxy	1.5625, 0.3059, 0.5133
Android (android.graphics.Color)	4278920970 (0xFF0B270A)
YUV	27.3220, -8.5397, -14.3144
Hunter-Lab	12.5000, -8.5785, 6.1385

Details

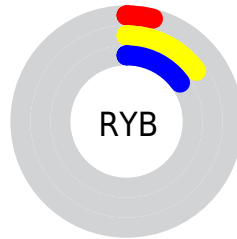
The CIELCh color **13, 23.149, 141.094** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **7, 23.588, 326.416**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 22.724, 141.336**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 25.395, 141.433**, and if you desaturate by 10%, it is **13, 20.681, 140.804**.

Distribution



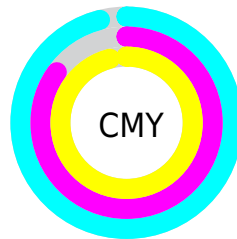
- Red (4%)
- Green (15%)
- Blue (4%)



- Red (4%)
- Yellow (15%)
- Blue (15%)



- Cyan (71%)
- Magenta (0%)
- Yellow (74%)
- Black (85%)





- Cyan (96%)
- Magenta (85%)
- Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 23.149, 141.094 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 13, 23.149, 141.094 by changing the saturation by 10% instead.

 13, 23.149,
141.094


 13, 23.149,
141.094


 100, 23.149,
141.094


 3, 23.149, 141.094


 33, 23.149,
141.094

 0, 23.149, 141.094

 43, 23.149,
141.094


 53, 23.149,
141.094


 63, 23.149,
141.094


 73, 23.149,
141.094


 83, 23.149,


141.094


 93, 23.149,
141.094


 13, 23.149,
141.094


 13, 23.149,
141.094


 13, 25.395,
141.433


 13, 20.681,
140.804

 13, 27.704,
141.830

 14, 17.831,
140.786

 12, 29.190,
142.053

 14, 14.639,
141.315

 14, 11.307,
141.975

 15, 7.932, 142.567

■ 15, 4.548, 143.096

■ 16, 1.184, 143.607

■ 16, 2.140, 323.901

■ 17, 5.407, 324.278

Harmonies

Complementary

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



13, 23.149, 141.094



7, 23.588, 326.416

Rectangle

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



13, 23.149, 141.094



13, 23.149, 191.094



13, 23.149, 321.094



13, 23.149, 11.094

Sweetspot

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



13, 23.149, 141.094



20, 9.251, 142.574



15, 17.761, 103.930



8, 5.743, 143.779



63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



13, 23.149, 141.094



18, 33.311, 138.433



13, 16.966, 155.566



6, 1.576, 143.747



30, 53.261, 135.726



74, 103.929, 135.917

Inverse Universe

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



7, 23.588, 326.416



9, 33.405, 326.964



7, 17.310, 348.405



6, 1.578, 323.624



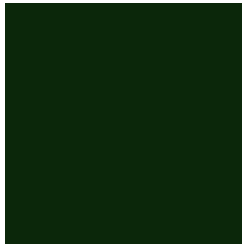
18, 51.655, 327.203



49, 100.545, 327.106

Previews

White Background



This preview shows how the CIELCh color 13, 23.149, 141.094 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 13, 23.149, 141.094

Background



This preview shows how black text looks on a background with the CIELCh color 13, 23.149, 141.094.



This preview shows how white text looks on a background with the CIELCh color 13, 23.149, 141.094.

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
13, 23.149, 141.094

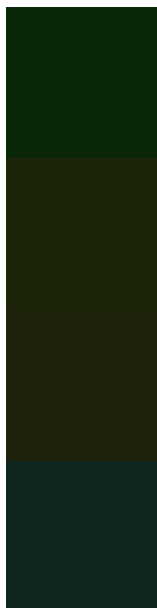
Protanopia
13, 15.733, 98.001

Deuteranopia
13, 13.877, 82.341



Tritanopia
13, 7.730, 214.073

Trichromacy



Original Color
13, 23.149, 141.094

Protanomaly
13, 17.098, 121.263

Deuteranomaly
13, 15.128, 114.974

Tritanomaly
13, 11.990, 164.092

Monochromacy



Original Color
13, 23.149, 141.094

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 8.923, 142.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 23.149, 141.094 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(11, 39, 10)` looks like.

```
.text, #text, p{  
    color:rgb(11, 39, 10)  
}
```

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(11, 39, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 39, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 23.149, 141.094 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(11, 39, 10) }
```

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

```
.border{ border-color:rgb(11, 39, 10) }
```

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

Here you see how a box with a 4 pixel rgb(11, 39, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 39, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 39, 10);  
box-shadow:4px 4px 4px 4px rgb(11, 39, 10)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 23.149, 141.094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 39, 10) }
```

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

```
.background{ background-color: rgb(11, 39,  
10) }
```

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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