

Converting Colors

CIELCh(13, 20.894, 139.648)

Have a look what the booklet for
CIELCh(13, 20.894, 139.648)
contains.

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Color

CIELCh(13, 21.065, 139.949)

Conversions

Conversions Part 1

Format	Color
Hex	0F270D
RGB	15, 39, 13
RGB Percent	6%, 15%, 5%
CMY	0.9420, 0.8480, 0.9503
CMYK	0.62, 0.00, 0.67, 0.85
HSL	115°, 51%, 10%
HSV	115°, 67%, 15%
XYZ	0.9813, 1.5625, 0.6194
YIQ	28.8600, -5.9580, -13.1740

Conversions

Conversions Part 2

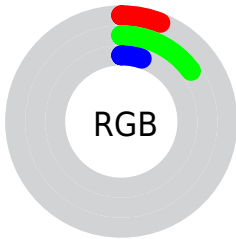
Format	Color
R_{YB}	13, 39, 37
Decimal	993037
CIE _{Lab}	13.00, -16.12, 13.55
CIE _{LCh}	13, 21.065, 139.949
Yxy	1.5625, 0.3102, 0.4940
Android (android.graphics.Color)	4279183117 (0xFF0F270D)
YUV	28.8600, -7.8190, -12.1552
Hunter-Lab	12.5000, -7.8615, 5.8122

Details

The CIELCh color **13, 21.065, 139.949** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **7, 21.509, 324.613**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 20.734, 139.690**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 23.357, 140.408**, and if you desaturate by 10%, it is **13, 18.427, 139.668**.

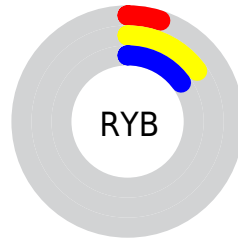
Distribution



Red (6%)

Green (15%)

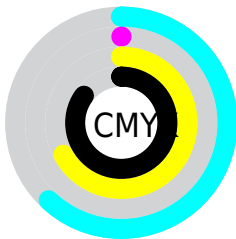
Blue (5%)



Red (5%)

Yellow (15%)

Blue (15%)

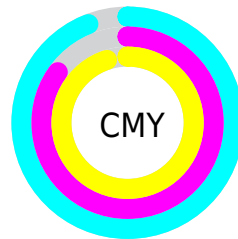


Cyan (62%)

Magenta (0%)

Yellow (67%)

Black (85%)



Cyan (94%)

Magenta (85%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 21.065, 139.949 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, 21.065, 139.949 by changing the saturation by 10% instead.

■ 13, 21.065,
139.949

■ 13, 21.065,
139.949

■ 100, 21.065,
139.949

■ 3, 21.065, 139.949

■ 33, 21.065,
139.949

■ 0, 21.065, 139.949

■ 43, 21.065,
139.949


■ 53, 21.065,
139.949


■ 63, 21.065,
139.949


■ 73, 21.065,
139.949


■ 83, 21.065,

139.949


 93, 21.065,
139.949


 13, 21.065,
139.949


 13, 21.065,
139.949

 13, 23.357,
140.408


 13, 18.427,
139.668

 13, 25.551,
140.742

 14, 15.442,
139.825

 12, 27.775,
141.078

 14, 12.222,
140.436

 12, 28.370,
141.158

 14, 8.949, 140.999

 15, 5.658, 141.507

 15, 2.378, 141.972

■ 16, 0.871, 322.244

■ 16, 4.073, 322.662

■ 17, 7.217, 322.976

Harmonies

Complementary

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



13, 21.065, 139.949



7, 21.509, 324.613

Rectangle

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



13, 21.065, 139.949



13, 21.065, 189.949



13, 21.065, 319.949



13, 21.065, 9.949

Sweetspot

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



13, 21.065, 139.949



20, 8.261, 141.307



14, 15.719, 101.597



8, 5.265, 142.451



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, 21.065, 139.949



18, 31.133, 137.725



13, 16.203, 153.986



6, 1.551, 142.350



30, 52.870, 135.181



74, 103.627, 135.705

Inverse Universe

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



7, 21.509, 324.613



10, 31.294, 325.096



7, 16.524, 344.547



6, 1.551, 322.114



17, 51.827, 325.302



47, 100.925, 325.032

Previews

White Background



This preview shows how the CIELCh color 13, 21.065, 139.949 looks on a white background.

Color Contrast Check

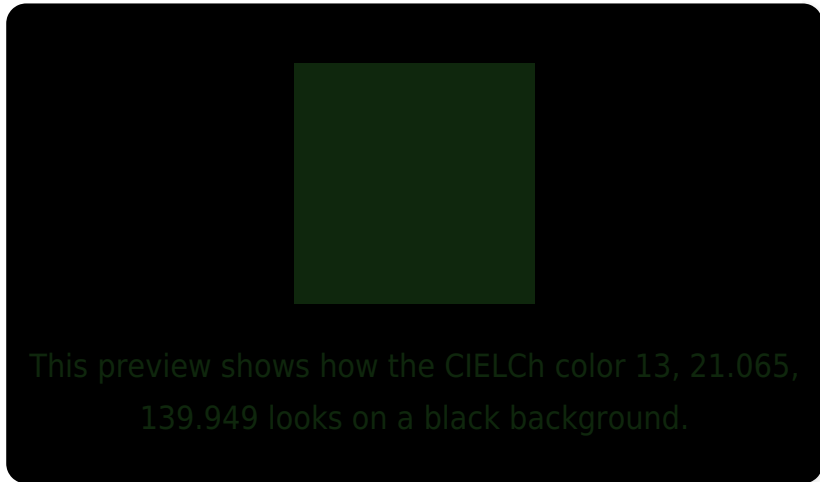
Large Text (above 18pt) WCAG AA ✓ Pass

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

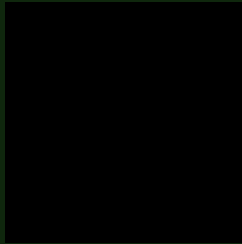
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 21.065, 139.949

Background



This preview shows how black text looks on a background with the CIELCh color 13, 21.065, 139.949.



This preview shows how white text looks on a background with the CIELCh color 13, 21.065, 139.949.

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, 21.065, 139.949

Protanopia

13, 14.924, 97.653

Deuteranopia

13, 12.955, 80.786



Tritanopia
13, 6.713, 216.887

Trichromacy



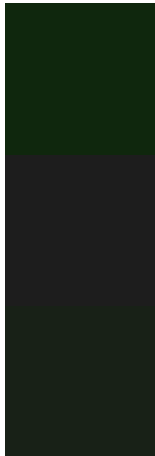
Original Color
13, 21.065, 139.949

Protanomaly
13, 15.978, 118.301

Deuteranomaly
12, 13.387, 111.531

Tritanomaly
13, 10.273, 162.995

Monochromacy



Original Color
13, 21.065, 139.949

Achromatopsia
11, 0.003, 296.813

Achromatomaly
12, 8.602, 140.425

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 21.065, 139.949 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(15, 39, 13)` looks like.

```
.text, #text, p{  
    color:rgb(15, 39, 13)  
}
```

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(15, 39, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 39, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 21.065, 139.949 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(15, 39, 13) }
```

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

```
.border{ border-color:rgb(15, 39, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 39, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 39, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 39, 13);  
box-shadow:4px 4px 4px 4px rgb(15, 39, 13)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 21.065, 139.949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 39, 13) }
```

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

```
.background{ background-color: rgb(15, 39,  
13) }
```

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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