

Converting Colors

CIELCh(13, 12.486, 135.741)

Have a look what the booklet for
CIELCh(13, 12.486, 135.741)
contains.

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Color

CIELCh(13, 12.896, 135.596)

Conversions

Conversions Part 1

Format	Color
Hex	192515
RGB	25, 37, 21
RGB Percent	10%, 15%, 8%
CMY	0.9030, 0.8560, 0.9187
CMYK	0.33, 0.00, 0.44, 0.86
HSL	105°, 28%, 11%
HSV	105°, 44%, 14%
XYZ	1.1803, 1.5625, 0.9362
YIQ	31.5880, -2.0160, -7.5200

Conversions

Conversions Part 2

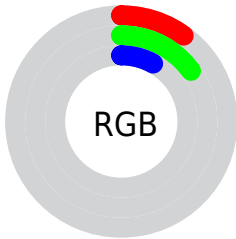
Format	Color
R_{YB}	21, 37, 33
Decimal	1647893
CIE Lab	13.00, -9.21, 9.02
CIE LCh	13, 12.896, 135.596
Yxy	1.5625, 0.3208, 0.4247
Android (android.graphics.Color)	4279837973 (0xFF192515)
YUV	31.5880, -5.2199, -5.7777
Hunter-Lab	12.5000, -5.0198, 4.3096

Details

The CIELCh color **13, 12.896, 135.596** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **9, 13.158, 318.742**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 13.460, 135.901**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 15.642, 135.672**, and if you desaturate by 10%, it is **13, 9.952, 136.033**.

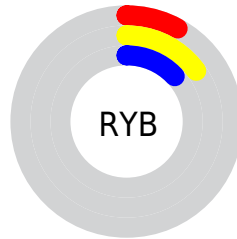
Distribution



Red (10%)

Green (15%)

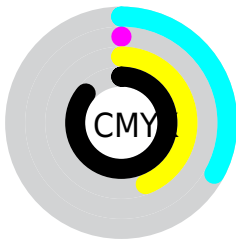
Blue (8%)



Red (8%)

Yellow (15%)

Blue (13%)

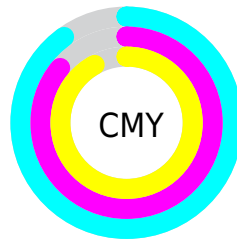


Cyan (33%)

Magenta (0%)

Yellow (44%)

Black (86%)



Cyan (90%)

Magenta (86%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 12.896, 135.596 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, 12.896, 135.596 by changing the saturation by 10% instead.

■ 13, 12.896,
135.596

■ 13, 12.896,
135.596

■ 100, 12.896,
135.596

■ 3, 12.896, 135.596

■ 33, 12.896,
135.596

■ 0, 12.896, 135.596

■ 43, 12.896,
135.596


■ 53, 12.896,
135.596


■ 63, 12.896,
135.596


■ 73, 12.896,
135.596


■ 83, 12.896,

135.596


 93, 12.896,
135.596

 13, 12.896,
135.596


 13, 12.896,
135.596

 13, 15.642,
135.672


 13, 9.952, 136.033

 12, 18.099,
136.220


 14, 6.979, 136.453

 12, 20.264,
137.008

 14, 4.002, 136.844

 12, 22.304,
137.708

 14, 1.038, 137.238

 12, 24.315,
138.142

 15, 1.899, 317.462

 15, 4.801, 317.765

 16, 7.659, 318.023

■ 12, 25.571,
138.257

■ 16, 10.468,
318.250

■ 17, 13.225,
318.451

Harmonies

Complementary

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



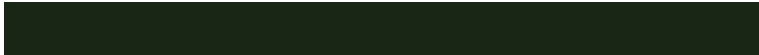
13, 12.896, 135.596



9, 13.158, 318.742

Rectangle

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



13, 12.896, 135.596



13, 12.896, 185.596



13, 12.896, 315.596



13, 12.896, 5.596

Sweetspot

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



13, 12.897, 135.597



19, 4.866, 136.829



13, 8.698, 91.930



9, 3.422, 137.398



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, 12.897, 135.597



18, 19.388, 135.012



13, 11.827, 149.041



5, 1.162, 137.552



30, 50.307, 132.937



74, 100.499, 134.074

Inverse Universe

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



9, 13.158, 318.742



12, 19.870, 319.122



9, 11.897, 333.981



5, 1.160, 317.034



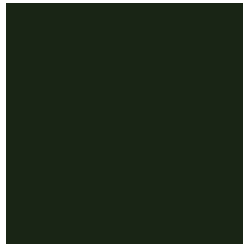
13, 51.714, 319.682



41, 102.234, 318.921

Previews

White Background



This preview shows how the CIELCh color 13, 12.896, 135.596 looks on a white background.

Color Contrast Check

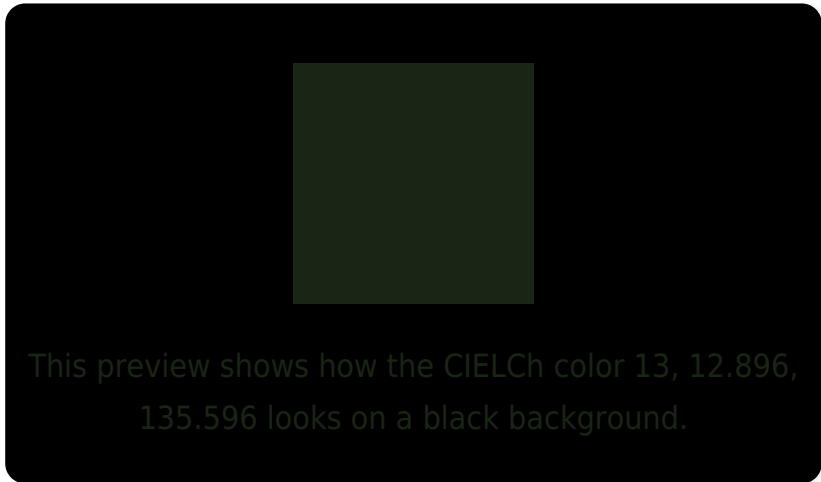
Large Text (above 18pt) WCAG AA ✓ Pass

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

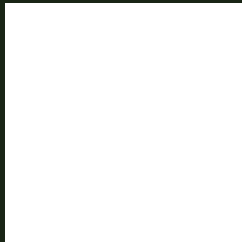
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 13, 12.896, 135.596

Background



This preview shows how black text looks on a background with the CIELCh color 13, 12.896, 135.596.

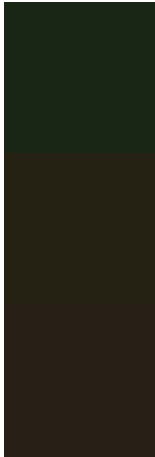


This preview shows how white text looks on a background with the CIELCh color 13, 12.896, 135.596.

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

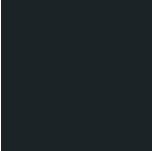
13, 12.896, 135.596

Protanopia

13, 10.025, 97.717

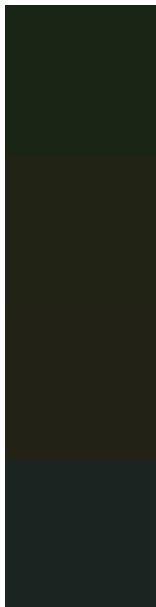
Deuteranopia

13, 8.471, 76.552



Tritanopia
13, 3.808, 233.374

Trichromacy



Original Color
13, 12.896, 135.596

Protanomaly
13, 10.600, 112.954

Deuteranomaly
13, 8.519, 107.603

Tritanomaly
13, 5.249, 165.036

Monochromacy



Original Color
13, 12.896, 135.596

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 4.795, 134.090

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 12.896, 135.596 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(25, 37, 21)` looks like.

```
.text, #text, p{  
    color:rgb(25, 37, 21)  
}
```

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(25, 37, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 37, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 12.896, 135.596 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(25, 37, 21) }
```

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

```
.border{ border-color:rgb(25, 37, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 37, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 37, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 37, 21);  
box-shadow:4px 4px 4px 4px rgb(25, 37, 21)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 12.896, 135.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 37, 21) }
```

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

```
.background{ background-color: rgb(25, 37,  
21) }
```

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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