

Converting Colors

CIELCh(16, 13.710, 130.886)

Have a look what the booklet for
CIELCh(16, 13.710, 130.886)
contains.

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Color

CIELCh(16, 13.613, 131.298)

Conversions

Conversions Part 1

Format	Color
Hex	202B19
RGB	32, 43, 25
RGB Percent	13%, 17%, 10%
CMY	0.8747, 0.8316, 0.9022
CMYK	0.26, 0.00, 0.42, 0.83
HSL	97°, 27%, 13%
HSV	97°, 42%, 17%
XYZ	1.6303, 2.0993, 1.2357
YIQ	37.6590, -0.7780, -7.9300

Conversions

Conversions Part 2

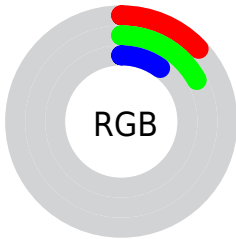
Format	Color
R_{YB}	25, 43, 36
Decimal	2108185
CIE _{Lab}	16.00, -8.98, 10.23
CIE _{LCh}	16, 13.613, 131.298
Yxy	2.0993, 0.3283, 0.4228
Android (android.graphics.Color)	4280298265 (0xFF202B19)
YUV	37.6590, -6.2409, -4.9629
Hunter-Lab	14.4890, -5.2713, 5.0857

Details

The CIELCh color **16, 13.613, 131.298** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **11, 14.097, 314.340**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 13.455, 131.563**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 16.779, 130.897**, and if you desaturate by 10%, it is **16, 10.388, 131.702**.

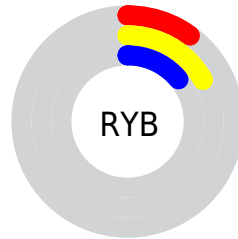
Distribution



Red (13%)

Green (17%)

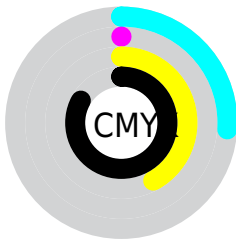
Blue (10%)



Red (10%)

Yellow (17%)

Blue (14%)

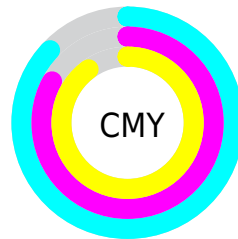


Cyan (26%)

Magenta (0%)

Yellow (42%)

Black (83%)



Cyan (87%)

Magenta (83%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 13.613, 131.298 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 16, 13.613, 131.298 by changing the saturation by 10% instead.

■ 16, 13.613,
131.298

■ 16, 13.613,
131.298

■ 100, 13.613,
131.298

■ 6, 13.613, 131.298

■ 36, 13.613,
131.298

■ 0, 13.613, 131.298

■ 46, 13.613,
131.298


■ 56, 13.613,
131.298


■ 66, 13.613,
131.298


■ 76, 13.613,
131.298


■ 86, 13.613,


131.298


 96, 13.613,
131.298

 16, 13.613,
131.298


 16, 13.613,
131.298

 16, 16.779,
130.897


 16, 10.388,
131.702

 15, 19.754,
130.744


 17, 7.132, 132.093

 15, 22.324,
131.140

 17, 3.869, 132.466

 15, 24.550,
131.808

 17, 0.616, 132.880

 15, 26.736,
132.355

 18, 5.811, 313.384

■ 15, 28.506,
132.692

■ 19, 8.968, 313.647

■ 19, 12.080,
313.883

■ 20, 15.143,
314.095

Harmonies

Complementary

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



16, 13.613, 131.298



11, 14.097, 314.340

Rectangle

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



16, 13.613, 131.298



16, 13.613, 181.298



16, 13.613, 311.298



16, 13.613, 1.298

Sweetspot

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



16, 13.614, 131.299



23, 5.295, 132.397



15, 8.599, 80.989



10, 3.610, 132.383



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



16, 13.614, 131.299



21, 20.240, 130.851



16, 14.332, 144.760



6, 1.422, 133.211



31, 49.681, 129.993



75, 98.180, 131.382

Inverse Universe

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



11, 14.097, 314.340



14, 21.164, 314.743



12, 14.337, 329.233



6, 1.419, 312.496



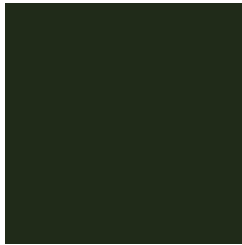
12, 54.070, 315.582



37, 105.960, 314.620

Previews

White Background



This preview shows how the CIELCh color 16, 13.613, 131.298 looks on a white background.

Color Contrast Check

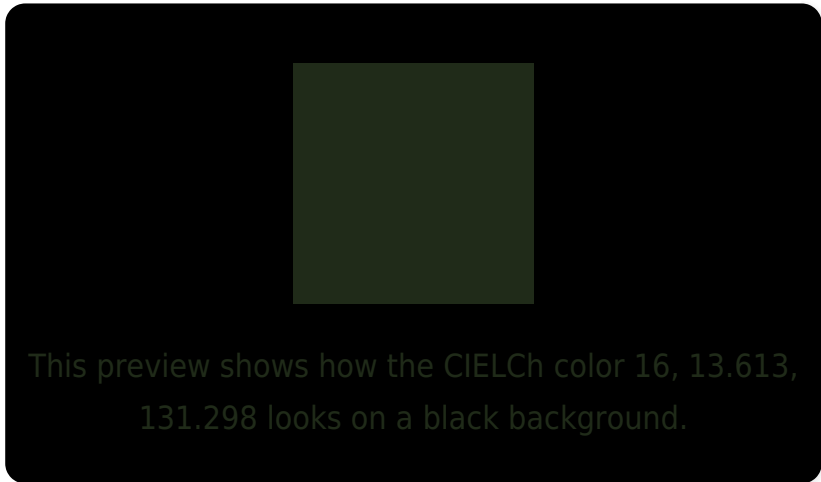
Large Text (above 18pt) WCAG AA ✓ Pass

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 16, 13.613, 131.298

Background



This preview shows how black text looks on a background with the CIELCh color 16, 13.613, 131.298.

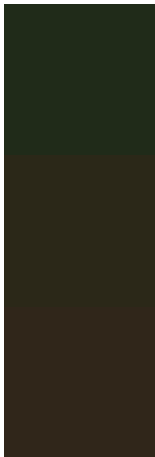


This preview shows how white text looks on a background with the CIELCh color 16, 13.613, 131.298.

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

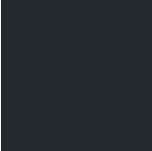
16, 13.613, 131.298

Protanopia

16, 11.180, 98.809

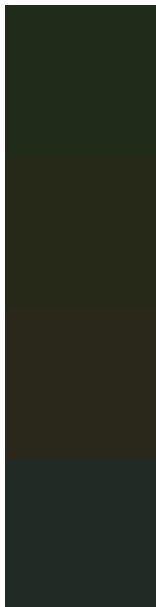
Deuteranopia

16, 10.058, 75.260



Tritanopia
16, 3.395, 237.342

Trichromacy



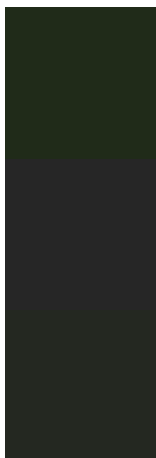
Original Color
16, 13.613, 131.298

Protanomaly
16, 11.746, 112.195

Deuteranomaly
16, 9.760, 101.246

Tritanomaly
16, 5.225, 156.326

Monochromacy



Original Color
16, 13.613, 131.298

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 5.303, 130.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 13.613, 131.298 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(32, 43, 25)` looks like.

```
.text, #text, p{  
    color:rgb(32, 43, 25)  
}
```

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(32, 43, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 43, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 13.613, 131.298 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(32, 43, 25) }
```

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

```
.border{ border-color:rgb(32, 43, 25) }
```

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

Here you see how a box with a 4 pixel rgb(32, 43, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 43, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 43, 25);  
box-shadow:4px 4px 4px 4px rgb(32, 43, 25)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 13.613, 131.298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 43, 25) }
```

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

```
.background{ background-color: rgb(32, 43,  
25) }
```

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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