

Converting Colors

CIELCh(16, 10.541, 131.284)

Have a look what the booklet for
CIELCh(16, 10.541, 131.284)
contains.

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Color

CIELCh(16, 10.531, 130.323)

Conversions

Conversions Part 1

Format	Color
Hex	222A1C
RGB	34, 42, 28
RGB Percent	13%, 16%, 11%
CMY	0.8659, 0.8345, 0.8894
CMYK	0.19, 0.00, 0.33, 0.83
HSL	94°, 20%, 14%
HSV	94°, 33%, 17%
XYZ	1.7140, 2.0993, 1.4261
YIQ	38.0120, -0.2740, -6.0500

Conversions

Conversions Part 2

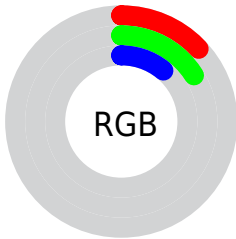
Format	Color
R_{YB}	28, 42, 36
Decimal	2239004
CIE Lab	16.00, -6.81, 8.03
CIE LCh	16, 10.531, 130.323
Yxy	2.0993, 0.3271, 0.4007
Android (android.graphics.Color)	4280429084 (0xFF222A1C)
YUV	38.0120, -4.9359, -3.5185
Hunter-Lab	14.4890, -4.2403, 4.3068

Details

The CIELCh color **16, 10.531, 130.323** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **12, 10.859, 312.709**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 10.676, 130.488**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 13.668, 129.931**, and if you desaturate by 10%, it is **16, 7.362, 130.711**.

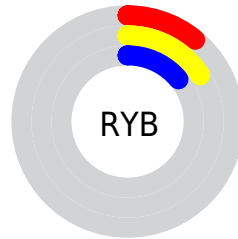
Distribution



Red (13%)

Green (16%)

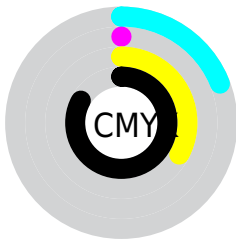
Blue (11%)



Red (11%)

Yellow (16%)

Blue (14%)

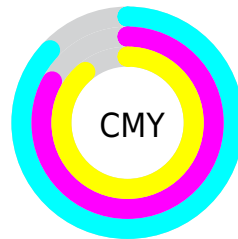


Cyan (19%)

Magenta (0%)

Yellow (33%)

Black (83%)



Cyan (87%)

Magenta (83%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 10.531, 130.323 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, 10.531, 130.323 by changing the saturation by 10% instead.

■ 16, 10.531,
130.323

■ 16, 10.531,
130.323

■ 100, 10.531,
130.323

■ 6, 10.531, 130.323

■ 36, 10.531,
130.323

■ 0, 10.531, 130.323

■ 46, 10.531,
130.323


■ 56, 10.531,
130.323


■ 66, 10.531,
130.323


■ 76, 10.531,
130.323


■ 86, 10.531,

130.323


 96, 10.531,
130.323

 16, 10.531,
130.323

 16, 10.531,
130.323


 16, 13.668,
129.931

 16, 7.362, 130.711


 15, 16.741,
129.546

 17, 4.182, 131.083

 17, 1.007, 131.465


 15, 19.559,
129.561

 17, 2.149, 311.714

 15, 21.980,
130.069

 18, 5.278, 312.022

 18, 8.372, 312.295

 15, 24.112,
130.778

 19, 11.425,

■ 15, 26.237,
131.354

312.542

■ 14, 27.688,
131.672

■ 19, 14.435,
312.764

■ 20, 17.397,
312.965

Harmonies

Complementary

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



16, 10.531, 130.323



12, 10.859, 312.709

Rectangle

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



16, 10.531, 130.323



16, 10.531, 180.323



16, 10.531, 310.323



16, 10.531, 0.323

Sweetspot

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



16, 10.532, 130.324



23, 4.028, 131.175



15, 6.482, 78.827



10, 2.677, 131.175



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, 10.532, 130.324



22, 16.099, 129.953



16, 11.476, 144.446



6, 1.409, 131.893



31, 49.122, 128.906



76, 97.061, 130.349

Inverse Universe

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



12, 10.859, 312.709



16, 16.756, 313.074



13, 11.484, 327.786



6, 1.405, 311.147



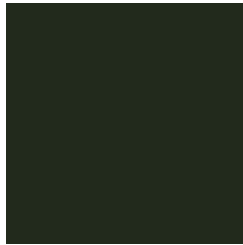
11, 54.478, 314.538



36, 106.860, 313.541

Previews

White Background



This preview shows how the CIE LCh color 16, 10.531, 130.323 looks on a white background.

Color Contrast Check

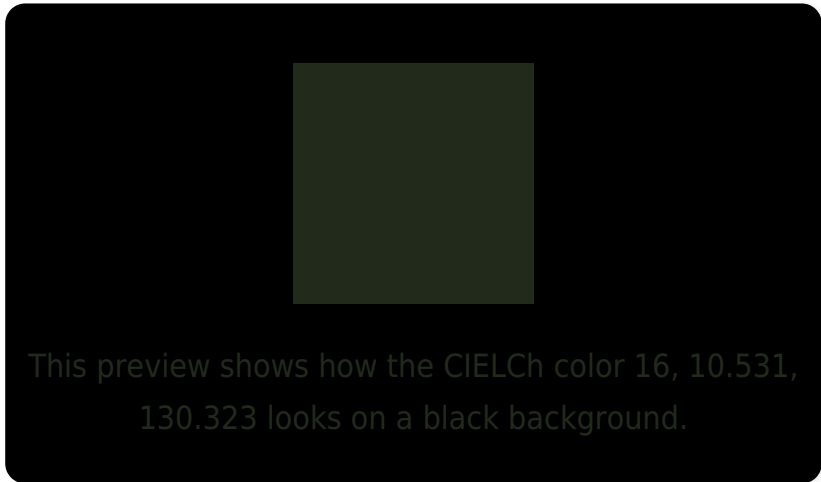
Large Text (above 18pt) WCAG AA ✓ Pass

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

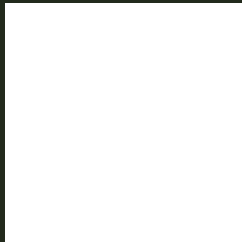
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 16, 10.531, 130.323

Background



This preview shows how black text looks on a background with the CIELCh color 16, 10.531, 130.323.

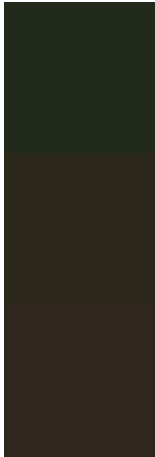


This preview shows how white text looks on a background with the CIELCh color 16, 10.531, 130.323.

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, 10.531, 130.323

Protanopia
16, 9.160, 97.689

Deuteranopia
16, 7.961, 71.509



Tritanopia
16, 3.096, 264.540

Trichromacy



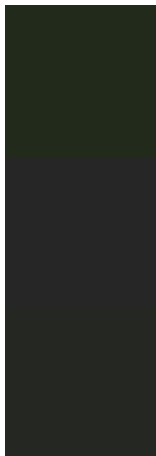
Original Color
16, 10.531, 130.323

Protanomaly
16, 9.686, 110.663

Deuteranomaly
16, 7.716, 100.286

Tritanomaly
16, 3.212, 157.927

Monochromacy



Original Color
16, 10.531, 130.323

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 4.465, 128.550

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 10.531, 130.323 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(34, 42, 28)` looks like.

```
.text, #text, p{  
    color:rgb(34, 42, 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(34, 42, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 42, 28) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 10.531, 130.323 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(34, 42, 28) }
```

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

```
.border{ border-color:rgb(34, 42, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 42, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 42, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 42, 28);  
box-shadow:4px 4px 4px 4px rgb(34, 42, 28)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 10.531, 130.323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 42, 28) }
```

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

```
.background{ background-color: rgb(34, 42,  
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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