

Converting Colors

CIELCh(18, 10.028, 125.322)

Have a look what the booklet for
CIELCh(18, 10.028, 125.322)
contains.

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Color

CIELCh(18, 10.028, 125.322)

Conversions

Conversions Part 1

Format	Color
Hex	282E20
RGB	40, 46, 32
RGB Percent	16%, 18%, 13%
CMY	0.8428, 0.8193, 0.8742
CMYK	0.13, 0.00, 0.30, 0.82
HSL	86°, 18%, 15%
HSV	86°, 30%, 18%
XYZ	2.1204, 2.5180, 1.7465
YIQ	42.6100, 0.9180, -5.6260

Conversions

Conversions Part 2

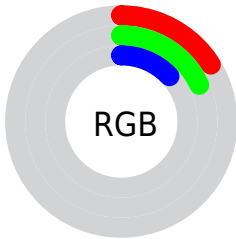
Format	Color
R_{YB}	32, 46, 38
Decimal	2633248
CIE _{Lab}	18.00, -5.80, 8.18
CIE _{LCh}	18, 10.028, 125.322
Yxy	2.5180, 0.3321, 0.3944
Android (android.graphics.Color)	4280823328 (0xFF282E20)
YUV	42.6100, -5.2307, -2.2890
Hunter-Lab	15.8683, -3.9181, 4.5824

Details

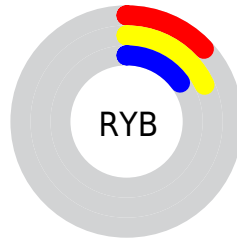
The CIELCh color **18, 10.028, 125.322** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **14, 10.436, 307.843**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 10.262, 126.094**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 13.283, 124.911**, and if you desaturate by 10%, it is **18, 6.738, 125.738**.

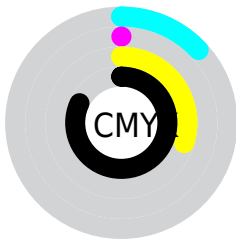
Distribution



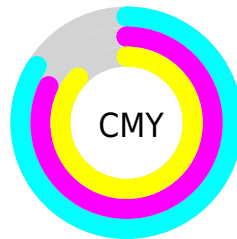
- Red (16%)
- Green (18%)
- Blue (13%)



- Red (13%)
- Yellow (18%)
- Blue (15%)



- Cyan (13%)
- Magenta (0%)
- Yellow (30%)
- Black (82%)



- Cyan (84%)
- Magenta (82%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 10.028, 125.322 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 18, 10.028, 125.322 by changing the saturation by 10% instead.

■ 18, 10.028,
125.322

■ 18, 10.028,
125.322

■ 100, 10.028,
125.322

■ 8, 10.028, 125.322

■ 38, 10.028,
125.322

■ 0, 10.028, 125.322

■ 48, 10.028,
125.322


■ 58, 10.028,
125.322


■ 68, 10.028,
125.322


■ 78, 10.028,
125.322


■ 88, 10.028,

125.322


 98, 10.028,
125.322

 18, 10.028,
125.322


 18, 10.028,
125.322

 18, 13.283,
124.911


 18, 6.738, 125.738

 17, 16.473,
124.515


 19, 3.431, 126.145

 17, 19.557,
124.162


 19, 0.125, 126.793

 17, 22.293,
124.213

 20, 6.442, 307.224

 17, 24.559,
124.704

 20, 9.687, 307.545

 21, 12.900,

■ 17, 26.694,
125.242

307.842

■ 16, 28.760,
125.688

■ 21, 16.075,
308.116

■ 21, 19.211,
308.368

Harmonies

Complementary

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



18, 10.028, 125.322



14, 10.436, 307.843

Rectangle

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



18, 10.028, 125.322



18, 10.028, 175.322



18, 10.028, 305.322



18, 10.028, 355.322

Sweetspot

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



18, 10.029, 125.324



24, 3.641, 126.182



16, 5.925, 63.251



11, 2.560, 126.168



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



18, 10.029, 125.324



23, 14.522, 125.013



17, 11.532, 140.709



8, 1.694, 126.942



33, 48.049, 124.220



77, 93.551, 125.645

Inverse Universe

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



14, 10.436, 307.843



17, 15.277, 308.215



14, 11.584, 323.400



7, 1.691, 306.127



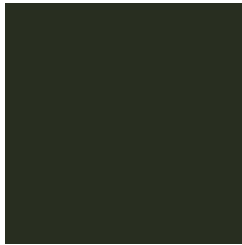
10, 57.221, 311.254



32, 111.201, 310.290

Previews

White Background



This preview shows how the CIE LCh color 18, 10.028, 125.322 looks on a white background.

Color Contrast Check

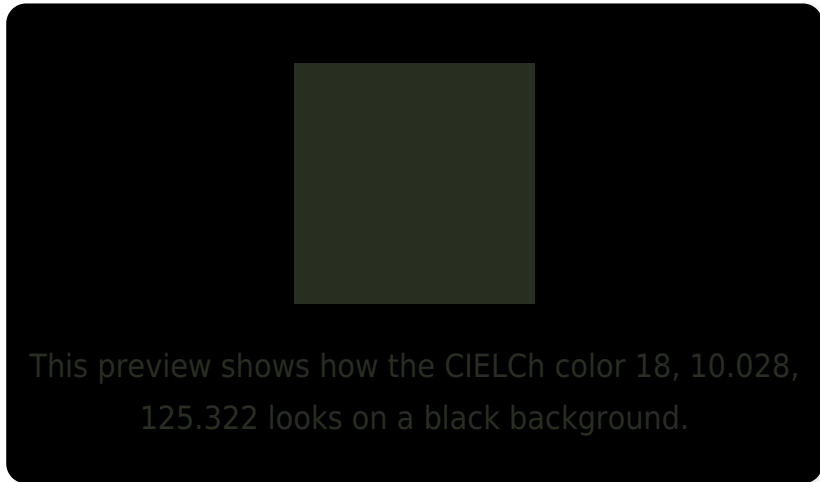
Large Text (above 18pt) WCAG AA ✓ Pass

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

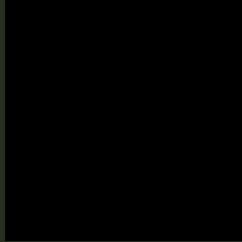
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 10.028, 125.322

Background



This preview shows how black text looks on a background with the CIELCh color 18, 10.028, 125.322.



This preview shows how white text looks on a background with the CIELCh color 18, 10.028, 125.322.

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

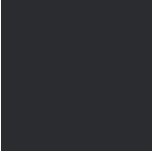
18, 10.028, 125.322

Protanopia

18, 9.036, 97.922

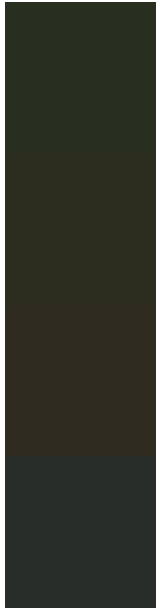
Deuteranopia

18, 8.164, 68.837



Tritanopia
18, 2.893, 272.510

Trichromacy



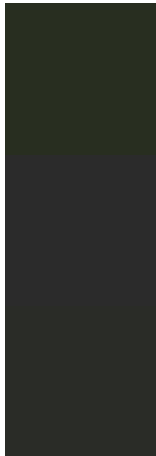
Original Color
18, 10.028, 125.322

Protanomaly
18, 9.562, 110.820

Deuteranomaly
18, 7.359, 87.826

Tritanomaly
18, 2.827, 151.900

Monochromacy



Original Color
18, 10.028, 125.322

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 3.588, 125.060

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 10.028, 125.322 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(40, 46, 32)` looks like.

```
.text, #text, p{  
    color:rgb(40, 46, 32)  
}
```

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(40, 46, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 46, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 10.028, 125.322 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(40, 46, 32) }
```

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

```
.border{ border-color:rgb(40, 46, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 46, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 46, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 46, 32);  
box-shadow:4px 4px 4px 4px rgb(40, 46, 32)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 10.028, 125.322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 46, 32) }
```

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

```
.background{ background-color: rgb(40, 46,  
32) }
```

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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