

Converting Colors

CIELCh(18, 10.189, 102.679)

Have a look what the booklet for
CIELCh(18, 10.189, 102.679)
contains.

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Color

CIELCh(18, 10.227, 104.642)

Conversions

Conversions Part 1

Format	Color
Hex	2E2D1E
RGB	46, 45, 30
RGB Percent	18%, 18%, 12%
CMY	0.8209, 0.8248, 0.8835
CMYK	0.00, 0.02, 0.35, 0.82
HSL	56°, 21%, 15%
HSV	56°, 35%, 18%
XYZ	2.2689, 2.5180, 1.5745
YIQ	43.5890, 5.4110, -4.4530

Conversions

Conversions Part 2

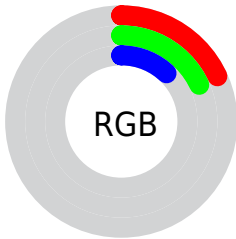
Format	Color
RYB	31, 46, 30
Decimal	3026206
CIELab	18.00, -2.59, 9.89
CIElCh	18, 10.227, 104.642
Yxy	2.5180, 0.3567, 0.3958
Android (android.graphics.Color)	4281216286 (0xFF2E2D1E)
YUV	43.5890, -6.6994, 2.1144
Hunter-Lab	15.8683, -2.2473, 5.2249

Details

The CIELCh color **18, 10.227, 104.642** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **12, 10.857, 291.178**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 10.372, 106.027**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 13.087, 103.807**, and if you desaturate by 10%, it is **18, 7.324, 105.489**.

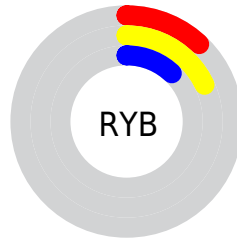
Distribution



Red (18%)

Green (18%)

Blue (12%)



Red (12%)

Yellow (18%)

Blue (12%)

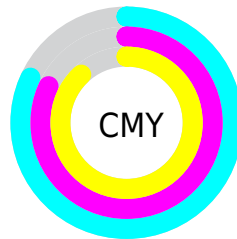


Cyan (0%)

Magenta (2%)

Yellow (35%)

Black (82%)



Cyan (82%)

Magenta (82%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 10.227, 104.642 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, 10.227, 104.642 by changing the saturation by 10% instead.

■ 18, 10.227,
104.642

■ 18, 10.227,
104.642

■ 100, 10.227,
104.642

■ 8, 10.227, 104.642

■ 38, 10.227,
104.642

■ 0, 10.227, 104.642

■ 48, 10.227,
104.642


■ 58, 10.227,
104.642


■ 68, 10.227,
104.642


■ 78, 10.227,
104.642


■ 88, 10.227,

104.642


 98, 10.227,
104.642

 18, 10.227,
104.642


 18, 10.227,
104.642

 18, 13.087,
103.807


 18, 7.324, 105.489

 18, 15.875,
102.980


 18, 4.397, 106.325

 17, 18.469,
102.231

 19, 1.461, 107.139


 17, 20.562,
101.686

 19, 1.477, 287.995

 17, 22.269,
101.256

 19, 4.410, 288.771

 19, 7.332, 289.536

 20, 10.242,

■ 17, 23.956,
100.900

290.275

■ 17, 24.802,
100.744

■ 20, 13.137,
290.987

■ 20, 16.015,
291.670

Harmonies

Complementary

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



18, 10.227, 104.642



12, 10.857, 291.178

Rectangle

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



18, 10.227, 104.642



18, 10.227, 154.642



18, 10.227, 284.642



18, 10.227, 334.642

Sweetspot

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



18, 10.228, 104.646



24, 3.623, 106.691



13, 8.365, 16.611



11, 2.501, 106.674



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, 10.228, 104.646



24, 15.092, 103.863



18, 11.456, 125.313



8, 1.511, 107.435



34, 42.353, 99.064



80, 81.187, 98.700

Inverse Universe

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



12, 10.857, 291.178



15, 16.342, 292.451



13, 11.993, 308.224



7, 1.524, 287.696



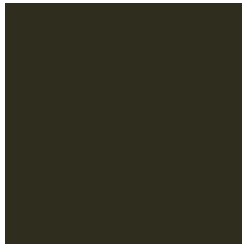
7, 57.139, 304.450



27, 114.645, 305.652

Previews

White Background



This preview shows how the CIELCh color 18, 10.227, 104.642 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

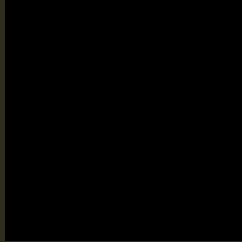
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

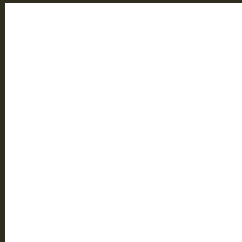
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 10.227, 104.642

Background



This preview shows how black text looks on a background with the CIELCh color 18, 10.227, 104.642.

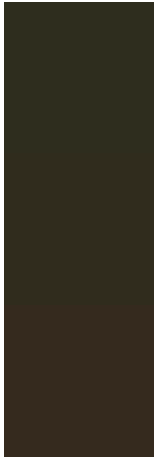


This preview shows how white text looks on a background with the CIELCh color 18, 10.227, 104.642.

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, 10.227, 104.642

Protanopia

18, 10.469, 95.899

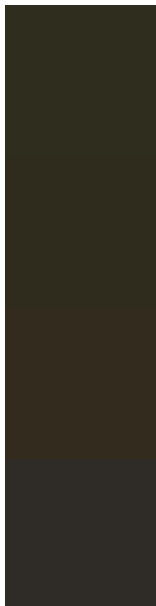
Deuteranopia

18, 10.204, 73.070



Tritanopia
18, 3.159, 339.236

Trichromacy



Original Color
18, 10.227, 104.642

Protanomaly
18, 10.370, 98.767

Deuteranomaly
18, 9.689, 85.432

Tritanomaly
18, 3.116, 81.151

Monochromacy



Original Color
18, 10.227, 104.642

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 4.126, 109.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 10.227, 104.642 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(46, 45, 30)` looks like.

```
.text, #text, p{  
    color:rgb(46, 45, 30)  
}
```

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(46, 45, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 45, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 10.227, 104.642 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(46, 45, 30) }
```

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

```
.border{ border-color:rgb(46, 45, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 45, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 45, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 45, 30);  
box-shadow:4px 4px 4px 4px rgb(46, 45, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 10.227, 104.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 45, 30) }
```

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

```
.background{ background-color: rgb(46, 45,  
30) }
```

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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