

Converting Colors

CIELCh(18, 24.345, 108.337)

Have a look what the booklet for
CIELCh(18, 24.345, 108.337)
contains.

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Color

CIELCh(18, 24.183, 108.429)

Conversions

Conversions Part 1

Format	Color
Hex	2B2E07
RGB	43, 46, 7
RGB Percent	17%, 18%, 3%
CMY	0.8300, 0.8182, 0.9744
CMYK	0.07, 0.00, 0.86, 0.82
HSL	65°, 75%, 10%
HSV	65°, 86%, 18%
XYZ	2.0380, 2.5180, 0.5657
YIQ	40.6570, 10.7310, -12.7650

Conversions

Conversions Part 2

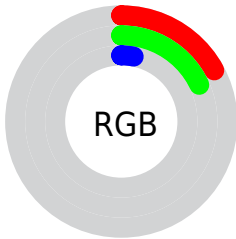
Format	Color
R_{YB}	7, 46, 10
Decimal	2829831
CIE Lab	18.00, -7.64, 22.94
CIE LCh	18, 24.183, 108.429
Yxy	2.5180, 0.3979, 0.4916
Android (android.graphics.Color)	4281019911 (0xFF2B2E07)
YUV	40.6570, -16.5929, 2.0548
Hunter-Lab	15.8683, -4.8448, 8.9941

Details

The CIELCh color **18, 24.183, 108.429** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **4, 27.276, 297.483**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 23.976, 108.595**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 26.058, 108.386**, and if you desaturate by 10%, it is **18, 22.297, 108.510**.

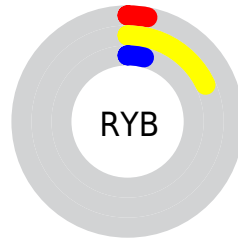
Distribution



Red (17%)

Green (18%)

Blue (3%)



Red (3%)

Yellow (18%)

Blue (4%)

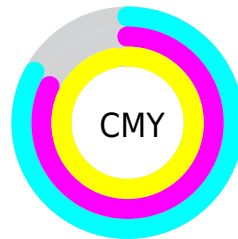


Cyan (7%)

Magenta (0%)

Yellow (86%)

Black (82%)



Cyan (83%)

Magenta (82%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 24.183, 108.429 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, 24.183, 108.429 by changing the saturation by 10% instead.

 18, 24.183,
108.429

 18, 24.183,
108.429

 100, 24.183,
108.429

 8, 24.183, 108.429


 38, 24.183,
108.429

 0, 24.183, 108.429

 48, 24.183,
108.429

 58, 24.183,
108.429


 68, 24.183,
108.429

 78, 24.183,
108.429


 88, 24.183,


108.429


 98, 24.183,
108.429


 18, 24.183,
108.429


 18, 24.183,
108.429


 18, 26.058,
108.386


 18, 22.297,
108.510

 18, 26.819,
108.375

 18, 20.043,
108.762

 18, 17.293,
109.317

 18, 14.347,
109.970

 19, 11.304,
110.652

■ 19, 8.197, 111.350

■ 19, 5.052, 112.050

■ 19, 1.885, 112.741

■ 19, 1.292, 293.440

Harmonies

Complementary

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



18, 24.183, 108.429



4, 27.276, 297.483

Rectangle

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



18, 24.183, 108.429



18, 24.183, 158.429



18, 24.183, 288.429



18, 24.183, 338.429

Sweetspot

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



18, 24.183, 108.431



25, 10.370, 111.237



7, 20.563, 24.641



11, 6.845, 111.286



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, 24.183, 108.431



24, 34.452, 107.247



16, 26.993, 129.951



8, 1.619, 113.273



35, 44.323, 107.162



82, 85.328, 107.546

Inverse Universe

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



4, 27.276, 297.483



3, 42.243, 302.458



5, 29.100, 313.243



7, 1.623, 293.036



7, 60.075, 306.599



27, 116.937, 306.486

Previews

White Background



This preview shows how the CIELCh color 18, 24.183, 108.429 looks on a white background.

Color Contrast Check

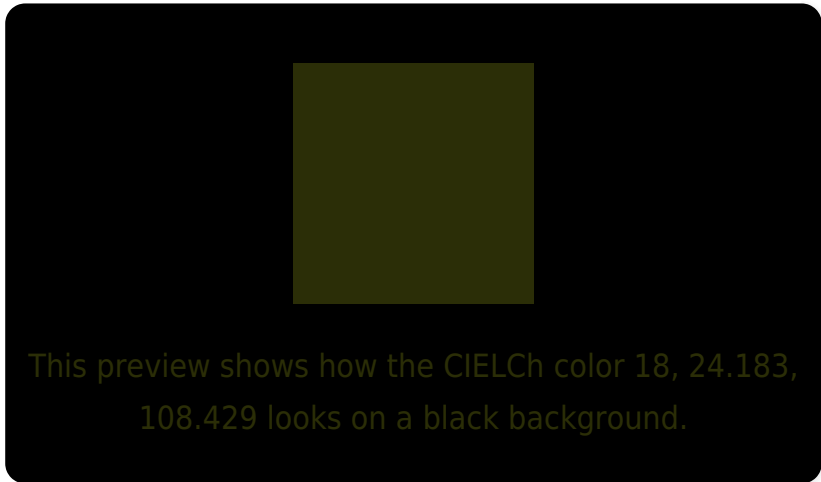
Large Text (above 18pt) WCAG AA ✓ Pass

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

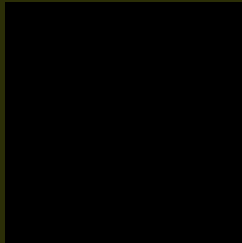
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 24.183, 108.429

Background



This preview shows how black text looks on a background with the CIELCh color 18, 24.183, 108.429.

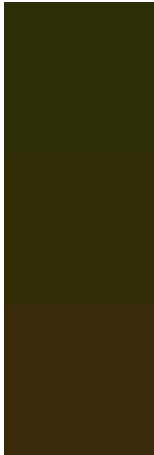


This preview shows how white text looks on a background with the CIELCh color 18, 24.183, 108.429.

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, 23.781, 108.541

Protanopia

18, 23.322, 96.187

Deuteranopia

18, 22.005, 83.725



Tritanopia
18, 3.357, 324.796

Trichromacy



Original Color
18, 23.781, 108.541

Protanomaly
18, 23.660, 100.409

Deuteranomaly
18, 22.234, 94.500

Tritanomaly
18, 8.285, 100.890

Monochromacy



Original Color
18, 23.781, 108.541

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 10.296, 110.378

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 24.183, 108.429 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(43, 46, 7)` looks like.

```
.text, #text, p{  
    color:rgb(43, 46, 7)  
}
```

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(43, 46, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 46, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 24.183, 108.429 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(43, 46, 7) }
```

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

```
.border{ border-color:rgb(43, 46, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 46, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 46, 7); -webkit-box-shadow:4px  
4px 4px 4px rgb(43, 46, 7); box-shadow:4px  
4px 4px 4px rgb(43, 46, 7) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 24.183, 108.429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 46, 7) }
```

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

```
.background{ background-color: rgb(43, 46,  
7) }
```

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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