

Converting Colors

CIELCh(18, 24.071, 104.462)

Have a look what the booklet for
CIELCh(18, 24.071, 104.462)
contains.

CIELCh(18, 24.140, 104.437)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(18, 24.140, 104.437)

Conversions

Conversions Part 1

Format	Color
Hex	2E2E06
RGB	46, 46, 6
RGB Percent	18%, 18%, 2%
CMY	0.8207, 0.8207, 0.9781
CMYK	0.00, 0.00, 0.88, 0.82
HSL	60°, 78%, 10%
HSV	60°, 88%, 18%
XYZ	2.1104, 2.5180, 0.5353
YIQ	41.4400, 12.8400, -12.4400

Conversions

Conversions Part 2

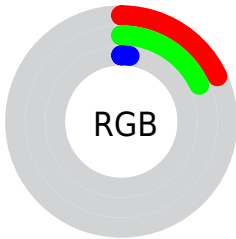
Format	Color
RYB	6, 46, 6
Decimal	3026438
CIELab	18.00, -6.02, 23.38
CIELCh	18, 24.140, 104.437
Yxy	2.5180, 0.4087, 0.4876
Android (android.graphics.Color)	4281216518 (0xFF2E2E06)
YUV	41.4400, -17.4719, 3.9991
Hunter-Lab	15.8683, -4.0300, 9.1077

Details

The CIELCh color **18, 24.140, 104.437** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **3, 27.062, 295.382**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 24.531, 105.106**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 25.983, 104.220**, and if you desaturate by 10%, it is **18, 22.300, 104.704**.

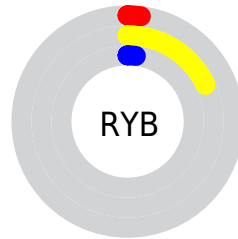
Distribution



Red (18%)

Green (18%)

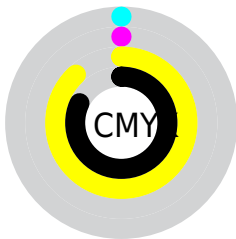
Blue (2%)



Red (2%)

Yellow (18%)

Blue (2%)

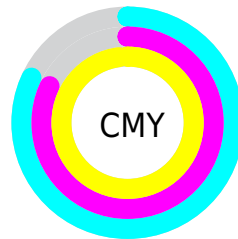


Cyan (0%)

Magenta (0%)

Yellow (88%)

Black (82%)



Cyan (82%)


Magenta (82%)


Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 24.140, 104.437 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, 24.140, 104.437 by changing the saturation by 10% instead.

 18, 24.140,
104.437


 18, 24.140,
104.437


 100, 24.140,
104.437


 8, 24.140, 104.437


 38, 24.140,
104.437

 0, 24.140, 104.437

 48, 24.140,
104.437


 58, 24.140,
104.437

 68, 24.140,
104.437

 78, 24.140,
104.437


 88, 24.140,


104.437

 98, 24.140,
104.437


 18, 24.140,
104.437

 18, 24.140,
104.437


 18, 25.983,
104.220


 18, 22.300,
104.704

 18, 26.393,
104.177

 18, 20.194,
105.079

 18, 17.574,
105.688

 18, 14.689,
106.428

 18, 11.701,
107.197

■ 18, 8.646, 107.983

■ 19, 5.550, 108.773

■ 19, 2.430, 109.557

■ 19, 0.702, 290.379

Harmonies

Complementary

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



18, 24.140, 104.437



3, 27.062, 295.382

Rectangle

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



18, 24.140, 104.437



18, 24.140, 154.437



18, 24.140, 284.437



18, 24.140, 334.437

Sweetspot

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



18, 24.140, 104.439



24, 9.986, 108.010



6, 21.459, 20.258



11, 6.830, 108.030



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, 24.140, 104.439



24, 33.182, 103.171



16, 26.361, 127.265



8, 1.615, 110.163



36, 44.158, 102.845



83, 84.954, 102.844

Inverse Universe

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



3, 27.062, 295.382



3, 39.902, 299.768



5, 28.571, 309.922



7, 1.619, 290.181



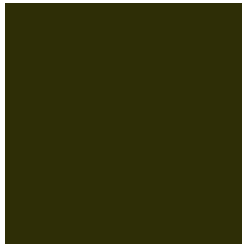
6, 60.343, 305.911



26, 117.312, 306.286

Previews

White Background



This preview shows how the CIELCh color 18, 24.140, 104.437 looks on a white background.

Color Contrast Check

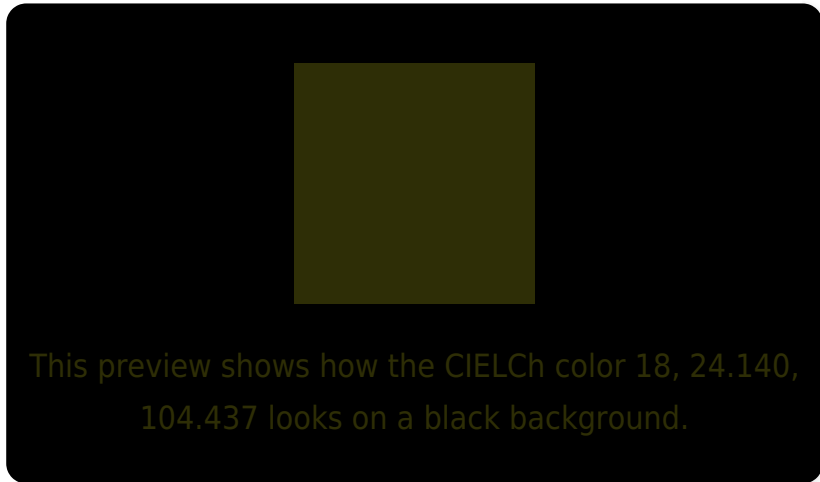
Large Text (above 18pt) WCAG AA ✓ Pass

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

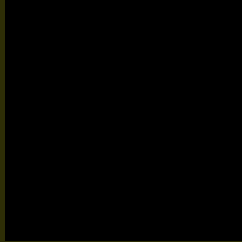
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 24.140, 104.437

Background



This preview shows how black text looks on a background with the CIELCh color 18, 24.140, 104.437.

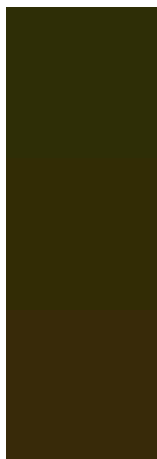


This preview shows how white text looks on a background with the CIELCh color 18, 24.140, 104.437.

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

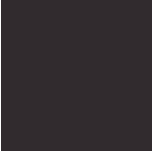
18, 24.140, 104.437

Protanopia

18, 23.723, 96.261

Deuteranopia

18, 22.391, 84.003



Tritanopia
18, 3.533, 344.459

Trichromacy



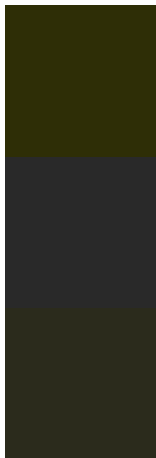
Original Color
18, 24.140, 104.437

Protanomaly
18, 24.063, 100.417

Deuteranomaly
18, 22.341, 91.535

Tritanomaly
18, 9.145, 94.683

Monochromacy



Original Color
18, 24.140, 104.437

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 10.280, 107.468

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 24.140, 104.437 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, 46, 6)` looks like.

```
.text, #text, p{  
    color:rgb(46, 46, 6)  
}
```

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, 46, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 46, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 24.140, 104.437 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, 46, 6) }
```

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

```
.border{ border-color:rgb(46, 46, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 46, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 46, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(46, 46, 6); box-shadow:4px  
4px 4px 4px rgb(46, 46, 6) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 24.140, 104.437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 46, 6) }
```

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

```
.background{ background-color: rgb(46, 46,  
6) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor