

Converting Colors

CIELCh(18, 28.468, 117.375)

Have a look what the booklet for
CIELCh(18, 28.468, 117.375)
contains.

CIELCh(18, 28.471, 117.381)	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, 28.471, 117.381)

Conversions

Conversions Part 1

Format	Color
Hex	243000
RGB	36, 48, 0
RGB Percent	14%, 19%, 0%
CMY	0.8578, 0.8106, 0.9984
CMYK	0.25, 0.00, 0.99, 0.81
HSL	75°, 98%, 10%
HSV	75°, 99%, 19%
XYZ	1.8074, 2.5180, 0.4022
YIQ	38.9400, 8.2560, -17.4720

Conversions

Conversions Part 2

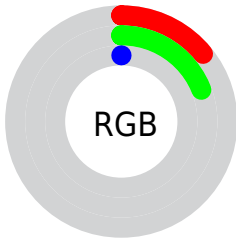
Format	Color
RYB	0, 48, 12
Decimal	2371584
CIELab	18.00, -13.09, 25.28
CIELCh	18, 28.471, 117.381
Yxy	2.5180, 0.3823, 0.5326
Android (android.graphics.Color)	4280561664 (0xFF243000)
YUV	38.9400, -19.1974, -2.5784
Hunter-Lab	15.8683, -7.4382, 9.6050

Details

The CIELCh color **18, 28.471, 117.381** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **3, 31.844, 301.911**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 28.437, 117.278**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 28.642, 117.405**, and if you desaturate by 10%, it is **18, 26.415, 117.102**.

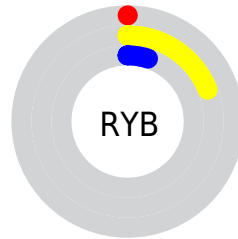
Distribution



Red (14%)

Green (19%)

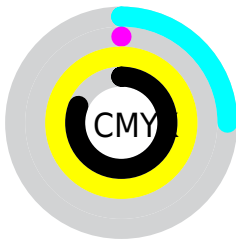
Blue (0%)



Red (0%)

Yellow (19%)

Blue (5%)

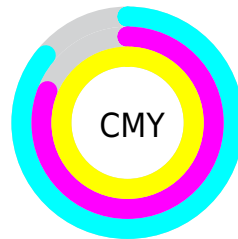


Cyan (25%)

Magenta (0%)

Yellow (99%)

Black (81%)



Cyan (86%)

Magenta (81%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 28.471, 117.381 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, 28.471, 117.381 by changing the saturation by 10% instead.

■ 18, 28.471,
117.381

■ 18, 28.471,
117.381

■ 100, 28.471,
117.381

■ 8, 28.471, 117.381

■ 38, 28.471,
117.381

■ 0, 28.471, 117.381

■ 48, 28.471,
117.381


■ 58, 28.471,
117.381


■ 68, 28.471,
117.381

■ 78, 28.471,
117.381


■ 88, 28.471,


117.381

 98, 28.471,
117.381


 18, 28.471,
117.381


 18, 28.471,
117.381


 18, 28.642,
117.405

 18, 26.415,
117.102

 18, 24.368,
116.806

 18, 22.056,
116.676

 19, 19.216,
116.973

 19, 16.141,
117.429

■ 19, 12.953,
117.928

■ 19, 9.692, 118.448

■ 19, 6.387, 118.974

■ 20, 3.058, 119.496

Harmonies

Complementary

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



18, 28.471, 117.381



3, 31.844, 301.911

Rectangle

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



18, 28.471, 117.381



18, 28.471, 167.381



18, 28.471, 297.381



18, 28.471, 347.381

Sweetspot

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



18, 28.471, 117.382



26, 12.575, 118.314



8, 21.413, 35.732



12, 8.664, 118.283



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



18, 28.471, 117.382



25, 36.555, 116.252



17, 32.840, 134.924



8, 1.645, 120.283



34, 45.693, 116.469



79, 88.411, 117.567

Inverse Universe

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



3, 31.844, 301.911



4, 44.660, 306.608



5, 34.802, 319.600



7, 1.645, 299.632



8, 59.092, 308.404



28, 114.866, 307.672

Previews

White Background



This preview shows how the CIELCh color 18, 28.471, 117.381 looks on a white background.

Color Contrast Check

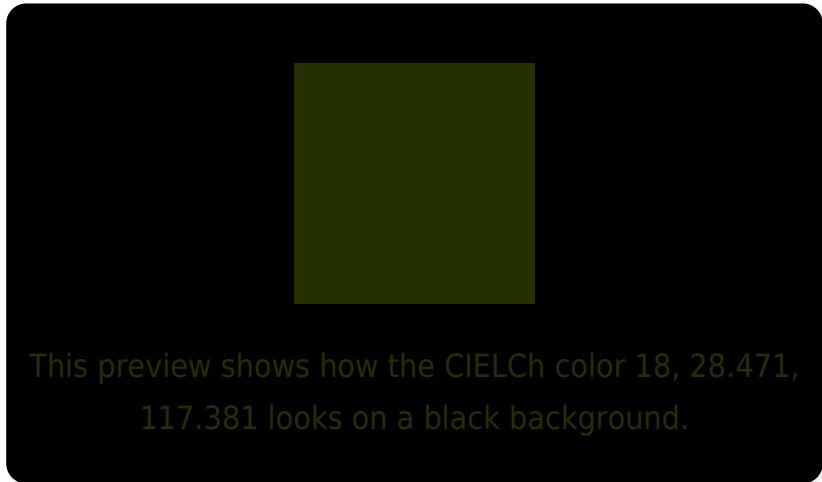
Large Text (above 18pt) WCAG AA ✓ Pass

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

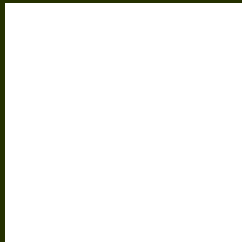
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 28.471, 117.381

Background



This preview shows how black text looks on a background with the CIELCh color 18, 28.471, 117.381.

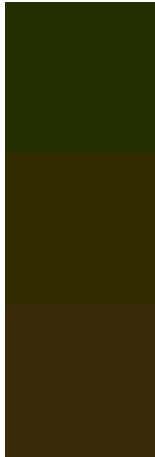


This preview shows how white text looks on a background with the CIELCh color 18, 28.471, 117.381.

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, 28.471, 117.381

Protanopia

18, 25.730, 96.604

Deuteranopia

18, 22.391, 84.003



Tritanopia
18, 2.721, 248.828

Trichromacy



Original Color
18, 28.471, 117.381

Protanomaly
18, 26.556, 105.385

Deuteranomaly
18, 23.225, 97.586

Tritanomaly
18, 10.834, 126.636

Monochromacy



Original Color
18, 28.471, 117.381

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 11.863, 117.264

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 28.471, 117.381 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(36, 48, 0)` looks like.

```
.text, #text, p{  
    color:rgb(36, 48, 0)  
}
```

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(36, 48, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 48, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 28.471, 117.381 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(36, 48, 0) }
```

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

```
.border{ border-color:rgb(36, 48, 0) }
```

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

Here you see how a box with a 4 pixel rgb(36, 48, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 48, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(36, 48, 0); box-shadow:4px  
4px 4px 4px rgb(36, 48, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 28.471, 117.381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 48, 0) }
```

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

```
.background{ background-color: rgb(36, 48,  
0) }
```

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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