

Converting Colors

CIELCh(18, 37.542, 136.962)

Have a look what the booklet for
CIELCh(18, 37.542, 136.962)
contains.

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Color

CIELCh(18, 36.830, 137.629)

Conversions

Conversions Part 1

Format	Color
Hex	033401
RGB	3, 52, 1
RGB Percent	1%, 20%, 0%
CMY	0.9870, 0.7944, 0.9977
CMYK	0.94, 0.00, 0.99, 0.79
HSL	117°, 98%, 10%
HSV	117°, 99%, 21%
XYZ	1.2924, 2.5180, 0.4344
YIQ	31.5350, -12.8330, -26.2490

Conversions

Conversions Part 2

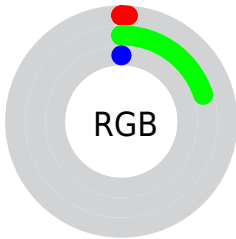
Format	Color
R_{YB}	1, 52, 50
Decimal	209921
CIE _{Lab}	18.00, -27.21, 24.82
CIE _{LCh}	18, 36.830, 137.629
Yxy	2.5180, 0.3045, 0.5932
Android (android.graphics.Color)	4278400001 (0xFF033401)
YUV	31.5350, -15.0538, -25.0252
Hunter-Lab	15.8683, -13.2313, 9.4847

Details

The CIELCh color **18, 36.830, 137.629** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **8, 37.481, 326.436**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 36.077, 138.036**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 37.128, 137.619**, and if you desaturate by 10%, it is **18, 34.171, 137.804**.

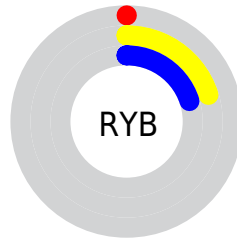
Distribution



Red (1%)

Green (20%)

Blue (0%)



Red (0%)

Yellow (20%)

Blue (20%)

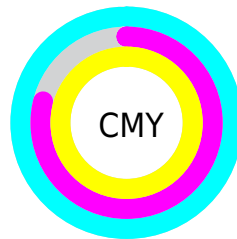


Cyan (94%)

Magenta (0%)

Yellow (99%)

Black (79%)



Cyan (99%)


Magenta (79%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 36.830, 137.629 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, 36.830, 137.629 by changing the saturation by 10% instead.

 18, 36.830,
137.629


 18, 36.830,
137.629

 100, 36.830,
137.629


 8, 36.830, 137.629


 38, 36.830,
137.629

 0, 36.830, 137.629

 48, 36.830,
137.629


 58, 36.830,
137.629


 68, 36.830,
137.629


 78, 36.830,
137.629


 88, 36.830,


137.629


 98, 36.830,
137.629


 18, 36.830,
137.629


 18, 36.830,
137.629


 18, 37.128,
137.619

 18, 34.171,
137.804

 18, 31.534,
138.054

 19, 28.396,
138.511

 19, 24.703,
139.333

 19, 20.738,
140.126

■ 20, 16.597,
140.859

■ 20, 12.352,
141.521

■ 21, 8.064, 142.111

■ 21, 3.779, 142.640

Harmonies

Complementary

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



18, 36.830, 137.629



8, 37.481, 326.436

Rectangle

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



18, 36.830, 137.629



18, 36.830, 187.629



18, 36.830, 317.629



18, 36.830, 7.629

Sweetspot

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



18, 36.830, 137.629



27, 16.106, 141.350



20, 28.109, 99.848



13, 11.098, 141.275



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



18, 36.830, 137.629



25, 46.005, 135.687



18, 28.259, 150.214



9, 2.289, 142.702



32, 55.297, 135.506



76, 105.685, 135.835

Inverse Universe

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



8, 37.481, 326.436



13, 45.165, 326.374



8, 28.672, 350.091



8, 2.296, 323.342



19, 53.866, 326.300



50, 102.517, 326.134

Previews

White Background



This preview shows how the CIELCh color 18, 36.830, 137.629 looks on a white background.

Color Contrast Check

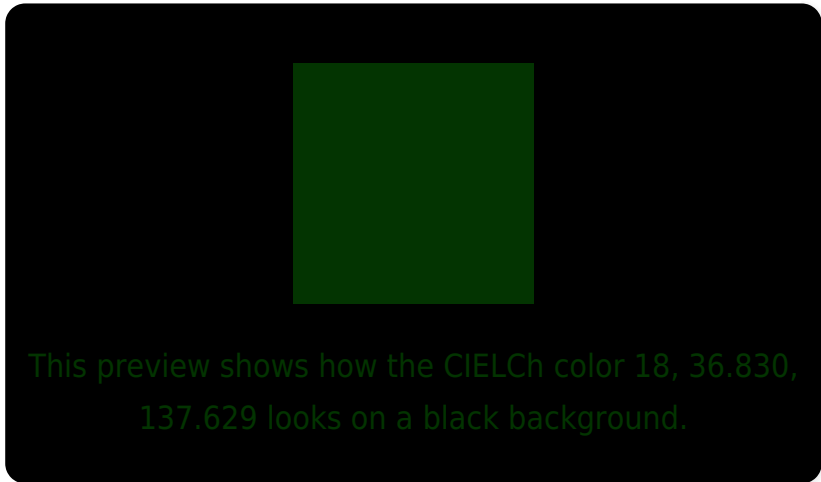
Large Text (above 18pt) WCAG AA ✓ Pass

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

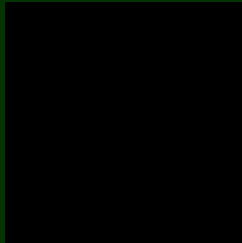
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 36.830, 137.629

Background



This preview shows how black text looks on a background with the CIELCh color 18, 36.830, 137.629.



This preview shows how white text looks on a background with the CIELCh color 18, 36.830, 137.629.

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](#).

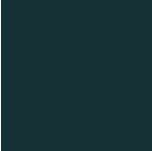
Dichromacy



Original Color
18, 36.470, 137.952

Protanopia
18, 26.306, 96.674

Deuteranopia
18, 21.922, 85.295



Tritanopia
18, 10.594, 212.723

Trichromacy



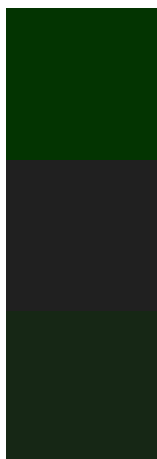
Original Color
18, 36.470, 137.952

Protanomaly
18, 28.754, 119.395

Deuteranomaly
17, 24.251, 116.276

Tritanomaly
18, 18.504, 159.429

Monochromacy



Original Color
18, 36.470, 137.952

Achromatopsia
12, 0.003, 296.813

Achromatomaly
14, 15.280, 140.505

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 36.830, 137.629 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(3, 52, 1)` looks like.

```
.text, #text, p{  
    color:rgb(3, 52, 1)  
}
```

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(3, 52, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 52, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 36.830, 137.629 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(3, 52, 1) }
```

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

```
.border{ border-color:rgb(3, 52, 1) }
```

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

Here you see how a box with a 4 pixel rgb(3, 52, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 52, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 52, 1); box-shadow:4px  
4px 4px 4px rgb(3, 52, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 36.830, 137.629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 52, 1) }
```

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

```
.background{ background-color: rgb(3, 52,  
1) }
```

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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