

Converting Colors

CIELCh(37, 46.143, 136.129)

Have a look what the booklet for
CIELCh(37, 46.143, 136.129)
contains.

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Color

CIELCh(37, 46.143, 136.129)

Conversions

Conversions Part 1

Format	Color
Hex	29631F
RGB	41, 99, 31
RGB Percent	16%, 39%, 12%
CMY	0.8384, 0.6110, 0.8777
CMYK	0.58, 0.00, 0.69, 0.61
HSL	111°, 52%, 26%
HSV	111°, 69%, 39%
XYZ	5.6540, 9.5379, 2.8526
YIQ	73.9060, -12.7400, -33.4440

Conversions

Conversions Part 2

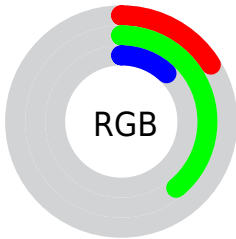
Format	Color
R_{YB}	31, 99, 89
Decimal	2712351
CIE _{Lab}	37.00, -33.26, 31.98
CIE _{LCh}	37, 46.143, 136.129
Yxy	9.5379, 0.3133, 0.5286
Android (android.graphics.Color)	4280902431 (0xFF29631F)
YUV	73.9060, -21.1527, -28.8586
Hunter-Lab	30.8835, -21.3670, 16.1421

Details

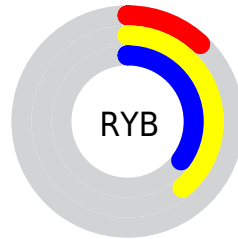
The CIELCh color $37, 46.143, 136.129$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $24, 46.532, 322.935$, and the grayscale version is $32, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 45.632, 136.231$, and $17, 36.761, 138.832$ is the 20% darker color. If you saturate the color by 10%, you get $37, 51.204, 135.548$, and if you desaturate by 10%, it is $37, 40.288, 136.823$.

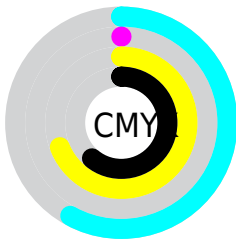
Distribution



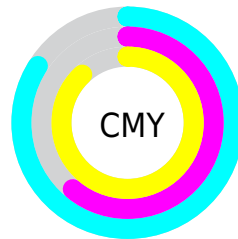
- Red (16%)
- Green (39%)
- Blue (12%)



- Red (12%)
- Yellow (39%)
- Blue (35%)



- Cyan (58%)
- Magenta (0%)
- Yellow (69%)
- Black (61%)





- Cyan (84%)
- Magenta (61%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 46.143, 136.129 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 37, 46.143, 136.129 by changing the saturation by 10% instead.


 37, 46.143,
136.129


 37, 46.143,
136.129

 100, 46.143,
136.129

 27, 46.143,
136.129

 57, 46.143,
136.129


 17, 46.143,
136.129


 67, 46.143,
136.129

 7, 46.143, 136.129

 77, 46.143,
136.129

 0, 46.143, 136.129

 87, 46.143,
136.129

 97, 46.143,
136.129

■ 37, 46.143,
136.129

■ 37, 46.143,
136.129

■ 37, 51.204,
135.548

■ 37, 40.288,
136.823

■ 36, 55.204,
135.184

■ 38, 33.878,
137.546

■ 36, 58.420,
134.796

■ 39, 27.110,
138.244

■ 36, 58.883,
134.696

■ 39, 20.134,
138.891

■ 40, 13.068,
139.474

■ 41, 5.998, 139.997

■ 42, 1.012, 320.289

■ 43, 7.913, 320.791

■ 44, 14.676,
321.131

Harmonies

Complementary

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



37, 46.143, 136.129



24, 46.532, 322.935

Rectangle

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



37, 46.143, 136.129



37, 46.143, 186.129



37, 46.143, 316.129



37, 46.143, 6.129

Sweetspot

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



37, 46.143, 136.130



52, 18.489, 139.301



38, 34.067, 95.998



26, 12.616, 139.191



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



37, 46.143, 136.130



48, 65.137, 135.299



37, 37.417, 149.436



20, 3.856, 139.982



41, 64.341, 134.828



83, 113.207, 135.314

Inverse Universe

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



24, 46.532, 322.935



29, 65.149, 323.051



24, 37.474, 342.273



18, 3.873, 320.720



22, 63.786, 322.828



51, 111.625, 322.503

Previews

White Background



This preview shows how the CIELCh color 37, 46.143, 136.129 looks on a white background.

Color Contrast Check

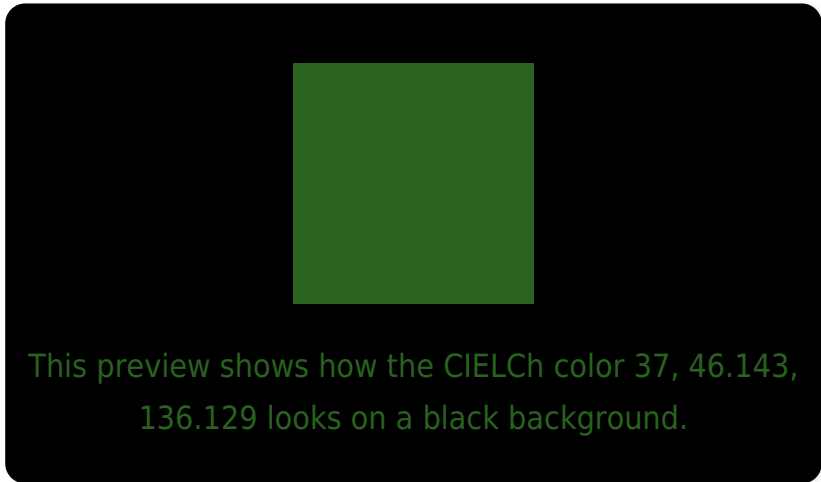
Large Text (above 18pt) WCAG AA ✓ Pass

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 37, 46.143, 136.129

Background



This preview shows how black text looks on a background with the CIELCh color 37, 46.143, 136.129.



This preview shows how white text looks on a background with the CIELCh color 37, 46.143, 136.129.

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
37, 46.143, 136.129

Protanopia
37, 34.645, 96.072

Deuteranopia
37, 30.503, 79.915



Tritanopia
37, 13.829, 216.216

Trichromacy



Original Color
37, 46.143, 136.129

Protanomaly
36, 36.303, 115.241

Deuteranomaly
36, 31.269, 108.606

Tritanomaly
37, 21.570, 161.748

Monochromacy



Original Color
37, 46.143, 136.129

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 18.251, 138.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 46.143, 136.129 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(41, 99, 31)` looks like.

```
.text, #text, p{  
    color:rgb(41, 99, 31)  
}
```

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(41, 99, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 99, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 46.143, 136.129 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(41, 99, 31) }
```

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

```
.border{ border-color:rgb(41, 99, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 99, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 99, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 99, 31);  
box-shadow:4px 4px 4px 4px rgb(41, 99, 31)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 46.143, 136.129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 99, 31) }
```

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

```
.background{ background-color: rgb(41, 99,  
31) }
```

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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