

Converting Colors

CIELCh(37, 44.649, 142.013)

Have a look what the booklet for
CIELCh(37, 44.649, 142.013)
contains.

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Color

CIELCh(37, 44.623, 141.990)

Conversions

Conversions Part 1

Format	Color
Hex	1F6428
RGB	31, 100, 40
RGB Percent	12%, 39%, 16%
CMY	0.8789, 0.6082, 0.8435
CMYK	0.69, 0.00, 0.60, 0.61
HSL	128°, 53%, 26%
HSV	128°, 69%, 39%
XYZ	5.4910, 9.5379, 3.5513
YIQ	72.5290, -21.8640, -33.2880

Conversions

Conversions Part 2

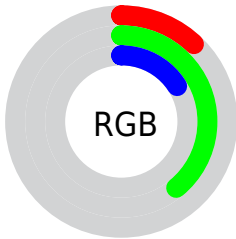
Format	Color
R_{YB}	31, 92, 100
Decimal	2057256
CIE _{Lab}	37.00, -35.16, 27.48
CIE _{LCh}	37, 44.623, 141.990
Yxy	9.5379, 0.2955, 0.5133
Android (android.graphics.Color)	4280247336 (0xFF1F6428)
YUV	72.5290, -16.0368, -36.4209
Hunter-Lab	30.8835, -22.3092, 14.8008

Details

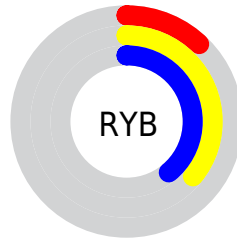
The CIELCh color **37, 44.623, 141.990** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **25, 43.686, 332.125**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 44.853, 141.869**, and **18, 37.343, 138.603** is the 20% darker color. If you saturate the color by 10%, you get **37, 49.551, 140.654**, and if you desaturate by 10%, it is **37, 39.024, 143.246**.

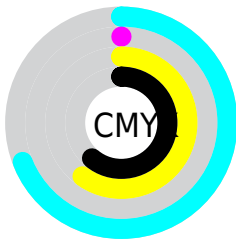
Distribution



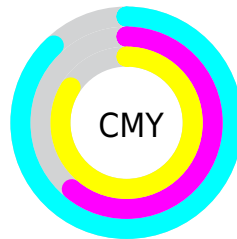
- Red (12%)
- Green (39%)
- Blue (16%)



- Red (12%)
- Yellow (36%)
- Blue (39%)



- Cyan (69%)
- Magenta (0%)
- Yellow (60%)
- Black (61%)




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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 44.623, 141.990 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, 44.623, 141.990 by changing the saturation by 10% instead.


 37, 44.623,
141.990

 37, 44.623,
141.990

 100, 44.623,
141.990

 27, 44.623,
141.990

 57, 44.623,
141.990


 17, 44.623,
141.990

 67, 44.623,
141.990

 7, 44.623, 141.990

 77, 44.623,
141.990

 0, 44.623, 141.990

 87, 44.623,
141.990

 97, 44.623,
141.990

■ 37, 44.623,
141.990

■ 37, 44.623,
141.990

■ 37, 49.551,
140.654

■ 37, 39.024,
143.246

■ 36, 53.648,
139.301

■ 38, 32.914,
144.385

■ 36, 56.936,
138.226

■ 39, 26.444,
145.396

■ 36, 57.203,
138.158

■ 39, 19.750,
146.281

■ 40, 12.948,
147.053

■ 41, 6.134, 147.731

■ 42, 0.619, 327.993

■ 44, 7.258, 328.748

■ 45, 13.745,
329.192

Harmonies

Complementary

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



37, 44.623, 141.990



25, 43.686, 332.125

Rectangle

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



37, 44.623, 141.990



37, 44.623, 191.990



37, 44.623, 321.990



37, 44.623, 11.990

Sweetspot

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



37, 44.623, 141.990



52, 17.707, 146.867



40, 38.999, 110.046



26, 12.082, 146.723



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, 44.623, 141.990



47, 63.057, 139.791



38, 29.788, 162.754



21, 3.856, 147.740



42, 63.467, 137.910



84, 112.192, 137.112

Inverse Universe

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



25, 43.686, 332.125



31, 59.867, 333.035



24, 33.585, 359.892



20, 3.865, 328.689



25, 58.102, 333.948



56, 100.167, 334.349

Previews

White Background



This preview shows how the CIELCh color 37, 44.623, 141.990 looks on a white background.

Color Contrast Check

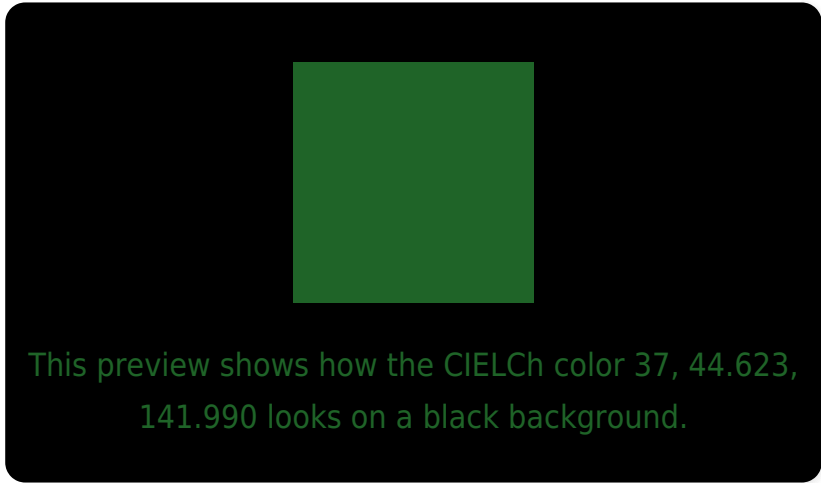
Large Text (above 18pt) WCAG AA ✓ Pass

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, 44.623, 141.990

Background



This preview shows how black text looks on a background with the CIELCh color 37, 44.623, 141.990.



This preview shows how white text looks on a background with the CIELCh color 37, 44.623, 141.990.

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, 44.623, 141.990

Protanopia
37, 30.666, 95.741

Deuteranopia
37, 26.072, 80.142



Tritanopia
37, 15.987, 213.405

Trichromacy



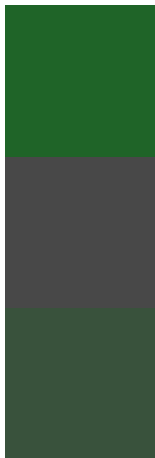
Original Color
37, 44.623, 141.990

Protanomaly
36, 33.505, 120.659

Deuteranomaly
36, 27.881, 115.570

Tritanomaly
37, 22.949, 169.182

Monochromacy



Original Color
37, 44.623, 141.990

Achromatopsia
31, 0.005, 296.813

Achromatomaly
32, 17.718, 145.902

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 44.623, 141.990 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(31, 100, 40)` looks like.

```
.text, #text, p{  
    color:rgb(31, 100, 40)  
}
```

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(31, 100, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 100, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 44.623, 141.990 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(31, 100, 40) }
```

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

```
.border{ border-color:rgb(31, 100, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 100, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 100, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 100, 40);  
box-shadow:4px 4px 4px 4px rgb(31, 100,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 44.623, 141.990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 100, 40) }
```

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

```
.background{ background-color: rgb(31, 100,  
40) }
```

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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