

Converting Colors

CIELCh(37, 22.542, 144.776)

Have a look what the booklet for
CIELCh(37, 22.542, 144.776)
contains.

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Color

CIELCh(37, 22.503, 144.803)

Conversions

Conversions Part 1

Format	Color
Hex	3F5F42
RGB	63, 95, 66
RGB Percent	25%, 37%, 26%
CMY	0.7546, 0.6291, 0.7428
CMYK	0.34, 0.00, 0.31, 0.63
HSL	126°, 20%, 31%
HSV	126°, 34%, 37%
XYZ	7.0478, 9.5379, 6.5609
YIQ	82.1260, -9.7630, -15.8030

Conversions

Conversions Part 2

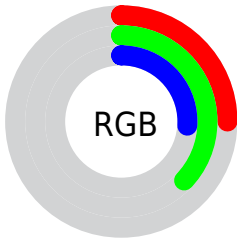
Format	Color
RYB	63, 92, 95
Decimal	4153154
CIELab	37.00, -18.39, 12.97
CIELCh	37, 22.503, 144.803
Yxy	9.5379, 0.3045, 0.4121
Android (android.graphics.Color)	4282343234 (0xFF3F5F42)
YUV	82.1260, -7.9501, -16.7735
Hunter-Lab	30.8835, -13.3113, 9.0228

Details

The CIELCh color **37, 22.503, 144.803** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **31, 22.518, 328.912**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 22.715, 144.549**, and **17, 21.983, 144.792** is the 20% darker color. If you saturate the color by 10%, you get **36, 28.982, 143.884**, and if you desaturate by 10%, it is **38, 15.868, 145.607**.

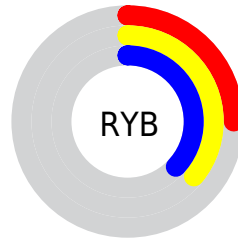
Distribution



Red (25%)

Green (37%)

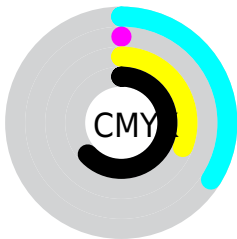
Blue (26%)



Red (25%)

Yellow (36%)

Blue (37%)

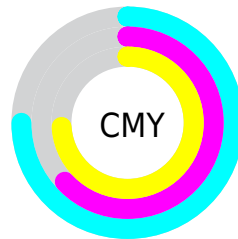


Cyan (34%)

Magenta (0%)

Yellow (31%)

Black (63%)



Cyan (75%)


Magenta (63%)


Yellow (74%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 22.503, 144.803 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, 22.503, 144.803 by changing the saturation by 10% instead.

 37, 22.503,
144.803


 37, 22.503,
144.803

 100, 22.503,
144.803


 27, 22.503,
144.803

 57, 22.503,
144.803

 17, 22.503,
144.803


 67, 22.503,
144.803

 7, 22.503, 144.803

 77, 22.503,
144.803

 0, 22.503, 144.803

 87, 22.503,
144.803

 97, 22.503,
144.803

■ 37, 22.503,
144.803

■ 37, 22.503,
144.803

■ 36, 28.982,
143.884

■ 38, 15.868,
145.607

■ 36, 35.175,
142.844

■ 39, 9.179, 146.308

■ 35, 40.935,
141.693

■ 40, 2.520, 146.953

■ 41, 4.049, 327.364

■ 35, 46.096,
140.462

■ 42, 10.484,
327.836

■ 35, 50.484,
139.209

■ 43, 16.755,
328.228

■ 34, 53.964,
138.073

■ 45, 22.845,
328.568

■ 34, 55.740,
137.636

■ 46, 28.746,
328.864

■ 47, 34.455,
329.123

Harmonies

Complementary

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



37, 22.503, 144.803



31, 22.518, 328.912

Rectangle

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



37, 22.503, 144.803



37, 22.503, 194.803



37, 22.503, 324.803



37, 22.503, 14.803

Sweetspot

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



37, 22.504, 144.803



50, 8.196, 146.535



39, 19.271, 110.820



25, 5.542, 146.477



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



37, 22.504, 144.803



47, 33.574, 144.037



37, 15.481, 165.333



19, 3.789, 146.623



41, 63.283, 137.363



83, 112.468, 136.680

Inverse Universe

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



31, 22.518, 328.912



38, 33.535, 329.366



30, 16.399, 351.630



18, 3.797, 327.541



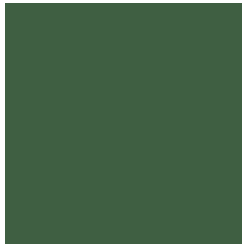
25, 58.782, 332.174



56, 102.305, 332.448

Previews

White Background



This preview shows how the CIELCh color 37, 22.503, 144.803 looks on a white background.

Color Contrast Check

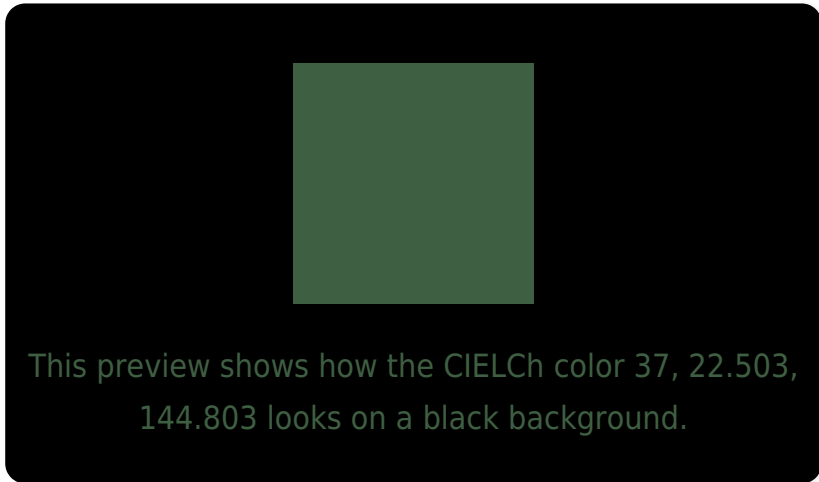
Large Text (above 18pt) WCAG AA ✓ Pass

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

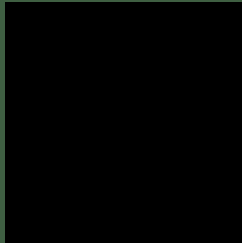
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 22.503, 144.803

Background



This preview shows how black text looks on a background with the CIELCh color 37, 22.503, 144.803.



This preview shows how white text looks on a background with the CIELCh color 37, 22.503, 144.803.

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](#).

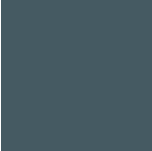
Dichromacy



Original Color
37, 22.503, 144.803

Protanopia
37, 15.559, 97.197

Deuteranopia
37, 12.602, 66.797



Tritanopia
37, 9.290, 230.908

Trichromacy



Original Color
37, 22.503, 144.803

Protanomaly
37, 16.858, 120.048

Deuteranomaly
36, 12.271, 108.138

Tritanomaly
37, 10.827, 177.880

Monochromacy



Original Color
37, 22.503, 144.803

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 8.613, 146.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 22.503, 144.803 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(63, 95, 66)` looks like.

```
.text, #text, p{  
    color:rgb(63, 95, 66)  
}
```

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(63, 95, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 95, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 22.503, 144.803 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(63, 95, 66) }
```

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

```
.border{ border-color:rgb(63, 95, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 95, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 95, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 95, 66);  
box-shadow:4px 4px 4px 4px rgb(63, 95, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 22.503, 144.803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 95, 66) }
```

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

```
.background{ background-color: rgb(63, 95,  
66) }
```

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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