

Converting Colors

CIELCh(37, 28.421, 136.763)

Have a look what the booklet for
CIELCh(37, 28.421, 136.763)
contains.

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Color

CIELCh(37, 28.049, 136.635)

Conversions

Conversions Part 1

Format	Color
Hex	3F5F37
RGB	63, 95, 55
RGB Percent	25%, 37%, 22%
CMY	0.7526, 0.6271, 0.7840
CMYK	0.34, 0.00, 0.42, 0.63
HSL	108°, 27%, 29%
HSV	108°, 42%, 37%
XYZ	6.8482, 9.5379, 5.1054
YIQ	80.8720, -6.2320, -19.2240

Conversions

Conversions Part 2

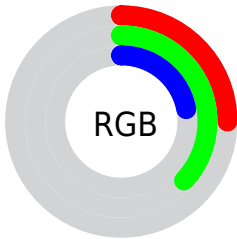
Format	Color
RYB	55, 95, 87
Decimal	4153143
CIELab	37.00, -20.39, 19.26
CIELCh	37, 28.049, 136.635
Yxy	9.5379, 0.3186, 0.4438
Android (android.graphics.Color)	4282343223 (0xFF3F5F37)
YUV	80.8720, -12.7549, -15.6737
Hunter-Lab	30.8835, -14.4653, 11.8171

Details

The CIELCh color **37, 28.049, 136.635** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **28, 28.526, 320.519**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 28.449, 136.496**, and **17, 27.909, 136.553** is the 20% darker color. If you saturate the color by 10%, you get **36, 34.406, 136.004**, and if you desaturate by 10%, it is **38, 21.469, 137.239**.

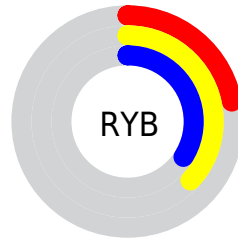
Distribution



Red (25%)

Green (37%)

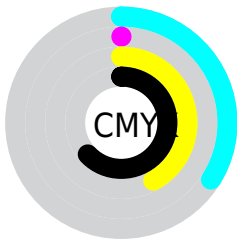
Blue (22%)



Red (22%)

Yellow (37%)

Blue (34%)

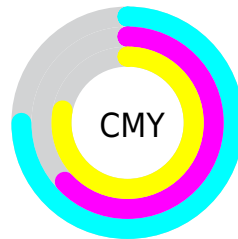


Cyan (34%)

Magenta (0%)

Yellow (42%)

Black (63%)



Cyan (75%)


Magenta (63%)


Yellow (78%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 28.049, 136.635 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, 28.049, 136.635 by changing the saturation by 10% instead.

 37, 28.049,
136.635

 37, 28.049,
136.635

 100, 28.049,
136.635

 27, 28.049,
136.635

 57, 28.049,
136.635


 17, 28.049,
136.635


 67, 28.049,
136.635

 7, 28.049, 136.635

 77, 28.049,
136.635

 0, 28.049, 136.635

 87, 28.049,
136.635

 97, 28.049,
136.635

■ 37, 28.049,
136.635

■ 37, 28.049,
136.635

■ 36, 34.406,
136.004

■ 38, 21.469,
137.239

■ 36, 40.389,
135.382

■ 38, 14.776,
137.796

■ 35, 45.803,
134.832

■ 39, 8.055, 138.300

■ 35, 50.414,
134.446

■ 40, 1.371, 138.814

■ 41, 5.233, 319.088

■ 35, 54.014,
134.298

■ 42, 11.723,
319.436

■ 35, 56.643,
133.983

■ 43, 18.078,
319.730

■ 44, 24.284,
319.981

■ 46, 30.334,
320.197

Harmonies

Complementary

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



37, 28.049, 136.635



28, 28.526, 320.519

Rectangle

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



37, 28.049, 136.635



37, 28.049, 186.635



37, 28.049, 316.635



37, 28.049, 6.635

Sweetspot

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



37, 28.050, 136.636



50, 10.684, 138.237



37, 19.582, 94.697



25, 7.411, 138.161



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, 28.050, 136.636



47, 40.694, 136.042



37, 24.359, 150.261



20, 3.794, 138.452



41, 63.818, 134.200



83, 112.440, 134.803

Inverse Universe

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



28, 28.526, 320.519



34, 41.474, 320.849



29, 24.592, 336.476



18, 3.815, 319.153



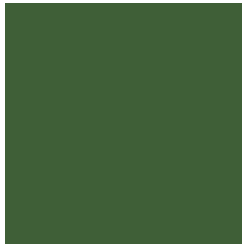
21, 64.205, 321.010



49, 112.435, 320.587

Previews

White Background



This preview shows how the CIELCh color 37, 28.049, 136.635 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



This preview shows how the CIE LCh color 37, 28.049, 136.635 looks on a 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, 28.049, 136.635

Background



This preview shows how black text looks on a background with the CIELCh color 37, 28.049, 136.635.



This preview shows how white text looks on a background with the CIELCh color 37, 28.049, 136.635.

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

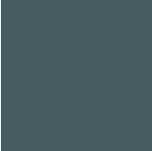
37, 28.049, 136.635

Protanopia

37, 21.618, 96.318

Deuteranopia

37, 18.605, 74.562



Tritanopia
37, 8.724, 228.467

Trichromacy



Original Color
37, 28.049, 136.635

Protanomaly
37, 22.566, 114.943

Deuteranomaly
36, 18.315, 104.157

Tritanomaly
37, 12.088, 167.027

Monochromacy



Original Color
37, 28.049, 136.635

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 10.193, 139.741

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 28.049, 136.635 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(63, 95, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 95, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 28.049, 136.635 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, 55) }
```

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

```
.border{ border-color:rgb(63, 95, 55) }
```

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, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 95, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 95, 55);  
box-shadow:4px 4px 4px 4px rgb(63, 95, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 28.049, 136.635 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, 55) }
```

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

```
.background{ background-color: rgb(63, 95,  
55) }
```

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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