

Converting Colors

CIELCh(37, 23.392, 128.387)

Have a look what the booklet for
CIELCh(37, 23.392, 128.387)
contains.

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Color

CIELCh(37, 23.431, 128.371)

Conversions

Conversions Part 1

Format	Color
Hex	4A5D39
RGB	74, 93, 57
RGB Percent	29%, 36%, 22%
CMY	0.7105, 0.6360, 0.7772
CMYK	0.20, 0.00, 0.39, 0.64
HSL	92°, 24%, 29%
HSV	92°, 39%, 36%
XYZ	7.4419, 9.5379, 5.2967
YIQ	83.2150, 0.2320, -15.2240

Conversions

Conversions Part 2

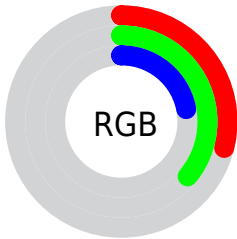
Format	Color
RYB	57, 93, 76
Decimal	4873529
CIELab	37.00, -14.54, 18.37
CIELCh	37, 23.431, 128.371
Yxy	9.5379, 0.3341, 0.4282
Android (android.graphics.Color)	4283063609 (0xFF4A5D39)
YUV	83.2150, -12.9240, -8.0816
Hunter-Lab	30.8835, -11.0338, 11.4499

Details

The CIELCh color **37, 23.431, 128.371** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **27, 24.576, 311.755**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 23.507, 128.301**, and **17, 23.396, 128.350** is the 20% darker color. If you saturate the color by 10%, you get **36, 29.257, 127.943**, and if you desaturate by 10%, it is **38, 17.454, 128.822**.

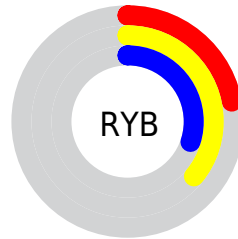
Distribution



 Red (29%)

 Green (36%)

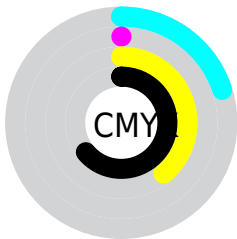
 Blue (22%)



 Red (22%)

 Yellow (36%)

 Blue (30%)

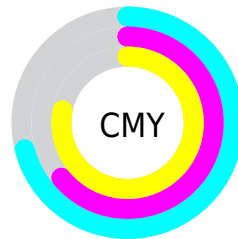


 Cyan (20%)

 Magenta (0%)

 Yellow (39%)

 Black (64%)



 Cyan (71%)


 Magenta (64%)


 Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 23.431, 128.371 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, 23.431, 128.371 by changing the saturation by 10% instead.


 37, 23.431,
128.371


 37, 23.431,
128.371

 100, 23.431,
128.371


 27, 23.431,
128.371

 57, 23.431,
128.371


 17, 23.431,
128.371


 67, 23.431,
128.371

 7, 23.431, 128.371

 77, 23.431,
128.371

 0, 23.431, 128.371

 87, 23.431,
128.371

 97, 23.431,
128.371

■ 37, 23.431,
128.371

■ 37, 23.431,
128.371

■ 36, 29.257,
127.943

■ 38, 17.454,
128.822

■ 36, 34.822,
127.573

■ 38, 11.398,
129.269

■ 36, 39.980,
127.322

■ 39, 5.318, 129.700

■ 35, 44.537,
127.274

■ 39, 0.746, 309.986

■ 40, 6.766, 310.438

■ 35, 48.266,
127.532

■ 41, 12.722,
310.777

■ 35, 51.577,
127.816

■ 42, 18.599,
311.080

■ 35, 52.001,
127.824

■ 43, 24.386,
311.352

■ 44, 30.076,
311.595

Harmonies

Complementary

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



37, 23.431, 128.371



27, 24.576, 311.755

Rectangle

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



37, 23.431, 128.371



37, 23.431, 178.371



37, 23.431, 308.371



37, 23.431, 358.371

Sweetspot

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



37, 23.432, 128.372



49, 8.985, 129.547



33, 14.489, 72.646



25, 6.007, 129.515



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, 23.432, 128.372



47, 34.809, 127.957



36, 26.726, 142.237



19, 3.364, 129.699



41, 58.651, 128.161



84, 104.455, 129.192

Inverse Universe

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



27, 24.576, 311.755



32, 36.996, 312.213



29, 26.697, 326.837



17, 3.404, 310.378



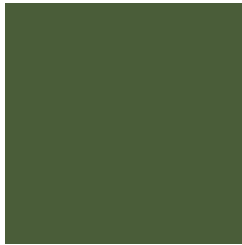
16, 66.299, 313.086



39, 117.597, 312.372

Previews

White Background



This preview shows how the CIELCh color 37, 23.431, 128.371 looks on a white background.

Color Contrast Check

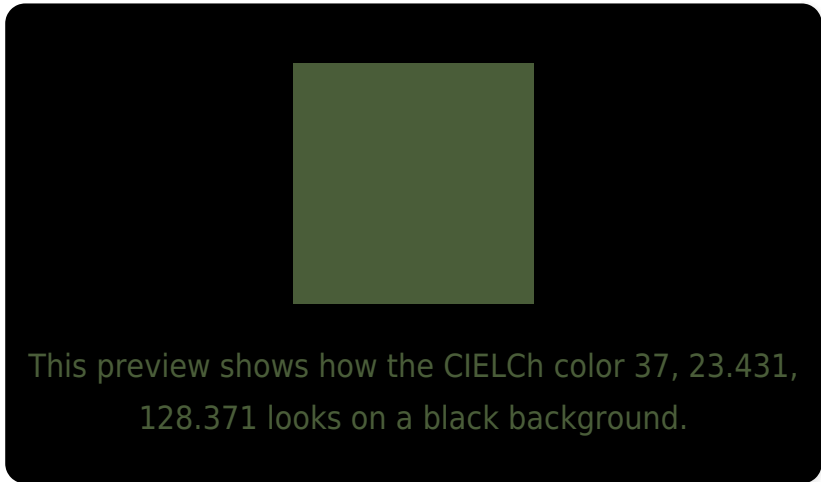
Large Text (above 18pt) WCAG AA ✓ Pass

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

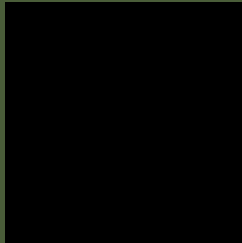
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 23.431, 128.371

Background



This preview shows how black text looks on a background with the CIELCh color 37, 23.431, 128.371.



This preview shows how white text looks on a background with the CIELCh color 37, 23.431, 128.371.

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

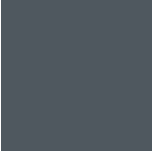
37, 23.431, 128.371

Protanopia

37, 20.458, 95.979

Deuteranopia

37, 18.080, 73.688



Tritanopia
37, 5.563, 250.401

Trichromacy



Original Color
37, 23.431, 128.371

Protanomaly
37, 20.611, 109.420

Deuteranomaly
37, 17.932, 98.080

Tritanomaly
37, 7.887, 153.655

Monochromacy



Original Color
37, 23.431, 128.371

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 9.195, 128.412

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 23.431, 128.371 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(74, 93, 57)` looks like.

```
.text, #text, p{  
    color:rgb(74, 93, 57)  
}
```

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(74, 93, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 93, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 23.431, 128.371 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(74, 93, 57) }
```

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

```
.border{ border-color:rgb(74, 93, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 93, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 93, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 93, 57);  
box-shadow:4px 4px 4px 4px rgb(74, 93, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 23.431, 128.371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 93, 57) }
```

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

```
.background{ background-color: rgb(74, 93,  
57) }
```

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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