

Converting Colors

CIELCh(37, 22.920, 132.888)

Have a look what the booklet for
CIELCh(37, 22.920, 132.888)
contains.

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Color

CIELCh(37, 22.907, 132.446)

Conversions

Conversions Part 1

Format	Color
Hex	475D3B
RGB	71, 93, 59
RGB Percent	28%, 36%, 23%
CMY	0.7206, 0.6343, 0.7677
CMYK	0.24, 0.00, 0.36, 0.63
HSL	99°, 22%, 30%
HSV	99°, 36%, 37%
XYZ	7.3468, 9.5379, 5.6223
YIQ	82.5460, -2.1980, -15.2380

Conversions

Conversions Part 2

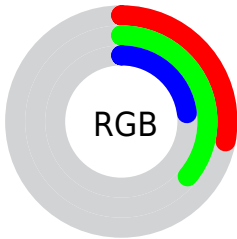
Format	Color
RYB	59, 93, 81
Decimal	4676923
CIELab	37.00, -15.46, 16.90
CIElCh	37, 22.907, 132.446
Yxy	9.5379, 0.3264, 0.4238
Android (android.graphics.Color)	4282867003 (0xFF475D3B)
YUV	82.5460, -11.6082, -10.1258
Hunter-Lab	30.8835, -11.5834, 10.8247

Details

The CIELCh color $37, 22.907, 132.446$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $29, 23.629, 315.496$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 22.460, 132.667$, and $17, 23.080, 132.440$ is the 20% darker color. If you saturate the color by 10%, you get $36, 29.017, 131.965$, and if you desaturate by 10%, it is $38, 16.664, 132.924$.

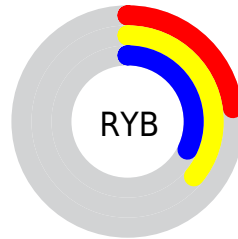
Distribution



Red (28%)

Green (36%)

Blue (23%)



Red (23%)

Yellow (36%)

Blue (32%)

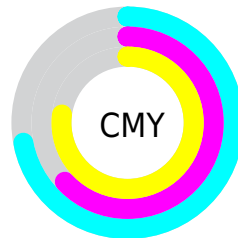


Cyan (24%)

Magenta (0%)

Yellow (36%)

Black (63%)



Cyan (72%)

Magenta (63%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 22.907, 132.446 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, 22.907, 132.446 by changing the saturation by 10% instead.

 37, 22.907,
132.446

 37, 22.907,
132.446

 100, 22.907,
132.446

 27, 22.907,
132.446

 57, 22.907,
132.446

 17, 22.907,
132.446

 67, 22.907,
132.446

 7, 22.907, 132.446

 77, 22.907,
132.446

 0, 22.907, 132.446

 87, 22.907,
132.446

 97, 22.907,
132.446

■ 37, 22.907,
132.446

■ 37, 22.907,
132.446

■ 36, 29.017,
131.965

■ 38, 16.664,
132.924

■ 36, 34.885,
131.510

■ 38, 10.362,
133.377

■ 35, 40.365,
131.135

■ 39, 4.060, 133.807

■ 35, 45.266,
130.918

■ 40, 2.202, 314.118

■ 41, 8.393, 314.487

■ 35, 49.356,
130.960

■ 42, 14.492,
314.792

■ 34, 52.754,
131.134

■ 43, 20.485,
315.059

■ 34, 53.978,
131.096

■ 44, 26.361,
315.293

■ 45, 32.116,
315.498

Harmonies

Complementary

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



37, 22.907, 132.446



29, 23.629, 315.496

Rectangle

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



37, 22.907, 132.446



37, 22.907, 182.446



37, 22.907, 312.446



37, 22.907, 2.446

Sweetspot

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



37, 22.908, 132.447



50, 8.639, 133.599



35, 14.679, 83.938



25, 5.752, 133.564



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, 22.908, 132.447



48, 34.393, 132.016



36, 23.310, 145.744



18, 3.468, 133.707



40, 60.690, 131.394



83, 108.109, 132.305

Inverse Universe

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



29, 23.629, 315.496



35, 35.751, 315.852



30, 23.339, 330.340



17, 3.499, 314.353



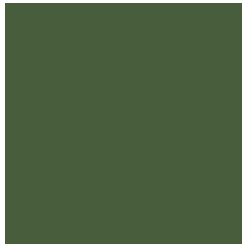
18, 64.759, 316.231



43, 114.640, 315.582

Previews

White Background



This preview shows how the CIELCh color 37, 22.907, 132.446 looks on a white background.

Color Contrast Check

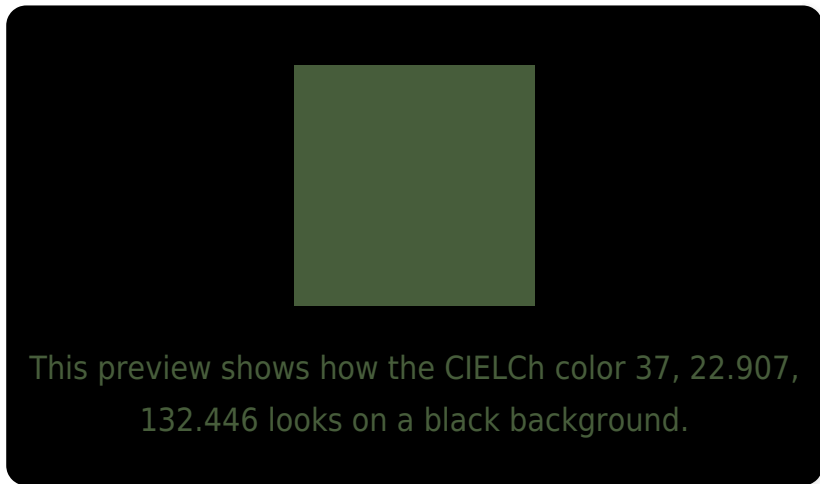
Large Text (above 18pt) WCAG AA ✓ Pass

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

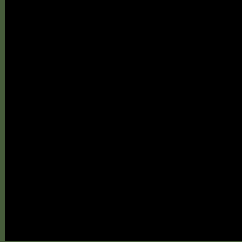
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 22.907, 132.446

Background



This preview shows how black text looks on a background with the CIELCh color 37, 22.907, 132.446.



This preview shows how white text looks on a background with the CIELCh color 37, 22.907, 132.446.

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

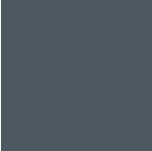
37, 22.907, 132.446

Protanopia

37, 18.608, 96.790

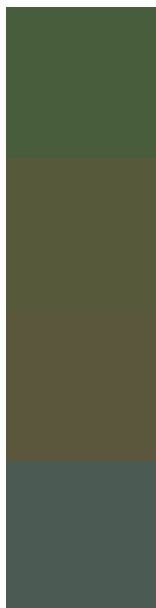
Deuteranopia

37, 16.745, 73.058



Tritanopia
37, 6.341, 242.141

Trichromacy



Original Color
37, 22.907, 132.446

Protanomaly
37, 18.880, 111.352

Deuteranomaly
37, 16.607, 100.911

Tritanomaly
37, 8.391, 162.273

Monochromacy



Original Color
37, 22.907, 132.446

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 8.791, 132.415

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 22.907, 132.446 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(71, 93, 59)` looks like.

```
.text, #text, p{  
    color:rgb(71, 93, 59)  
}
```

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(71, 93, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 93, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 22.907, 132.446 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(71, 93, 59) }
```

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

```
.border{ border-color:rgb(71, 93, 59) }
```

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

Here you see how a box with a 4 pixel rgb(71, 93, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 93, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 93, 59);  
box-shadow:4px 4px 4px 4px rgb(71, 93, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 22.907, 132.446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 93, 59) }
```

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

```
.background{ background-color: rgb(71, 93,  
59) }
```

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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