

Converting Colors

CIELCh(37, 24.431, 127.535)

Have a look what the booklet for
CIELCh(37, 24.431, 127.535)
contains.

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Color

CIELCh(37, 24.520, 127.295)

Conversions

Conversions Part 1

Format	Color
Hex	4A5D37
RGB	74, 93, 55
RGB Percent	29%, 36%, 22%
CMY	0.7102, 0.6357, 0.7847
CMYK	0.20, 0.00, 0.41, 0.64
HSL	90°, 26%, 29%
HSV	90°, 41%, 36%
XYZ	7.4093, 9.5379, 5.0532
YIQ	82.9870, 0.8740, -15.8460

Conversions

Conversions Part 2

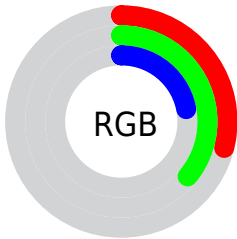
Format	Color
RYB	55, 93, 74
Decimal	4873527
CIELab	37.00, -14.86, 19.51
CIElCh	37, 24.520, 127.295
Yxy	9.5379, 0.3368, 0.4335
Android (android.graphics.Color)	4283063607 (0xFF4A5D37)
YUV	82.9870, -13.7976, -7.8816
Hunter-Lab	30.8835, -11.2219, 11.9173

Details

The CIELCh color $[37, 24.520, 127.295]$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $[27, 25.888, 310.960]$, and the grayscale version is $[35, 0.005, 296.813]$.

A 20% lighter version of the original color is $[57, 24.549, 127.343]$, and $[17, 24.686, 127.031]$ is the 20% darker color. If you saturate the color by 10%, you get $[37, 30.256, 126.879]$, and if you desaturate by 10%, it is $[38, 18.612, 127.744]$.

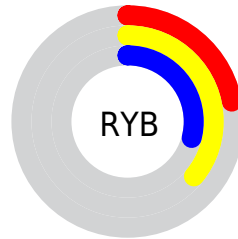
Distribution



Red (29%)

Green (36%)

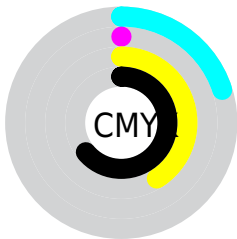
Blue (22%)



Red (22%)

Yellow (36%)

Blue (29%)

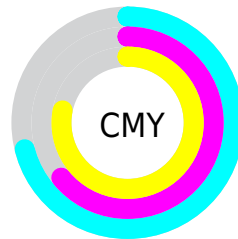


Cyan (20%)

Magenta (0%)

Yellow (41%)

Black (64%)



Cyan (71%)


Magenta (64%)


Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 24.520, 127.295 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, 24.520, 127.295 by changing the saturation by 10% instead.

 37, 24.520,
127.295

 37, 24.520,
127.295

 100, 24.520,
127.295

 27, 24.520,
127.295

 57, 24.520,
127.295

 17, 24.520,
127.295


 67, 24.520,
127.295

 7, 24.520, 127.295

 77, 24.520,
127.295

 0, 24.520, 127.295

 87, 24.520,
127.295

 97, 24.520,
127.295

■ 37, 24.520,
127.295

■ 37, 24.520,
127.295

■ 37, 30.256,
126.879

■ 38, 18.612,
127.744

■ 36, 35.705,
126.536

■ 38, 12.609,
128.196

■ 36, 40.710,
126.333

■ 39, 6.569, 128.635

■ 35, 45.069,
126.356

■ 39, 0.534, 129.163

■ 40, 5.466, 309.405

■ 35, 48.573,
126.700

■ 41, 11.411,
309.762

■ 35, 51.596,
126.927

■ 42, 17.285,
310.083

■ 42, 23.076,
310.372

■ 43, 28.777,
310.633

Harmonies

Complementary

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



37, 24.520, 127.295



27, 25.888, 310.960

Rectangle

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



37, 24.520, 127.295



37, 24.520, 177.295



37, 24.520, 307.295



37, 24.520, 357.295

Sweetspot

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



37, 24.521, 127.296



49, 8.925, 128.572



33, 15.251, 70.697



25, 5.968, 128.539



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, 24.521, 127.296



47, 35.942, 126.895



36, 28.481, 141.614



19, 3.343, 128.726



41, 58.148, 127.264



84, 103.526, 128.306

Inverse Universe

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



27, 25.888, 310.960



32, 38.499, 311.441



29, 28.437, 326.469



17, 3.384, 309.422



15, 66.679, 312.437



38, 118.314, 311.721

Previews

White Background



This preview shows how the CIE LCh color 37, 24.520, 127.295 looks on a white background.

Color Contrast Check

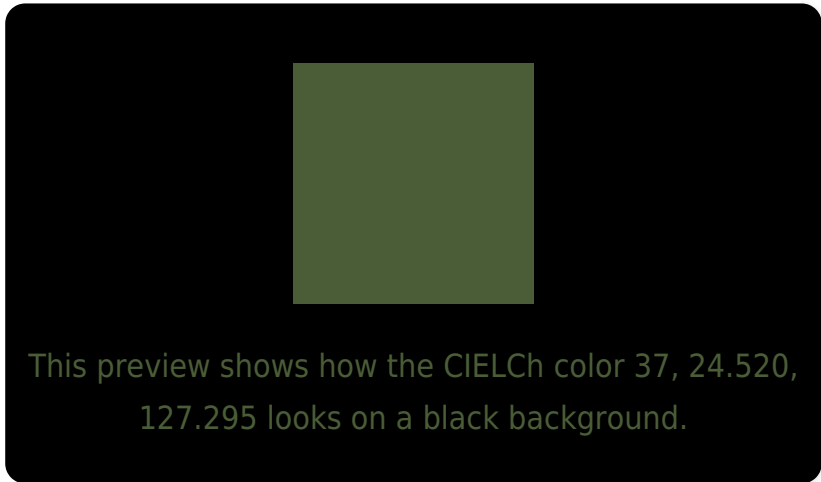
Large Text (above 18pt) WCAG AA ✓ Pass

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

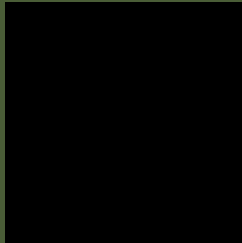
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 24.520, 127.295

Background



This preview shows how black text looks on a background with the CIELCh color 37, 24.520, 127.295.



This preview shows how white text looks on a background with the CIELCh color 37, 24.520, 127.295.

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

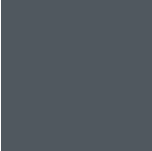
37, 24.520, 127.295

Protanopia

37, 21.039, 96.156

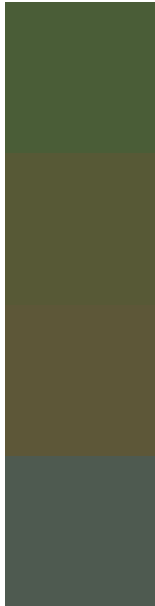
Deuteranopia

37, 19.134, 75.381



Tritanopia
37, 5.327, 253.698

Trichromacy



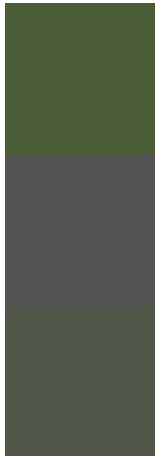
Original Color
37, 24.520, 127.295

Protanomaly
37, 21.195, 109.256

Deuteranomaly
37, 19.112, 98.401

Tritanomaly
37, 8.070, 148.612

Monochromacy



Original Color
37, 24.520, 127.295

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, 24.520, 127.295 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(74, 93, 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(74, 93, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 93, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 24.520, 127.295 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, 55) }
```

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

```
.border{ border-color:rgb(74, 93, 55) }
```

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, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 93, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 93, 55);  
box-shadow:4px 4px 4px 4px rgb(74, 93, 55)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 24.520, 127.295 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, 55) }
```

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

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