

Converting Colors

CIELCh(37, 10.000, 140.400)

Have a look what the booklet for
CIELCh(37, 10.000, 140.400)
contains.

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Color

CIELCh(37, 9.584, 141.643)

Conversions

Conversions Part 1

Format	Color
Hex	4E5A4D
RGB	78, 90, 77
RGB Percent	31%, 35%, 30%
CMY	0.6929, 0.6458, 0.6968
CMYK	0.13, 0.00, 0.14, 0.65
HSL	115°, 8%, 33%
HSV	115°, 14%, 35%
XYZ	8.1999, 9.5379, 8.4865
YIQ	84.9300, -2.9790, -6.5870

Conversions

Conversions Part 2

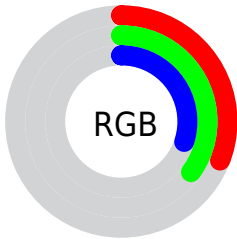
Format	Color
RYB	77, 90, 89
Decimal	5134925
CIELab	37.00, -7.52, 5.95
CIELCh	37, 9.584, 141.643
Yxy	9.5379, 0.3127, 0.3637
Android (android.graphics.Color)	4283325005 (0xFF4E5A4D)
YUV	84.9300, -3.9095, -6.0776
Hunter-Lab	30.8835, -6.6524, 5.3261

Details

The CIELCh color **37, 9.584, 141.643** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **34, 9.614, 323.006**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 9.539, 142.011**, and **17, 9.095, 140.830** is the 20% darker color. If you saturate the color by 10%, you get **36, 16.285, 141.038**, and if you desaturate by 10%, it is **38, 2.911, 142.198**.

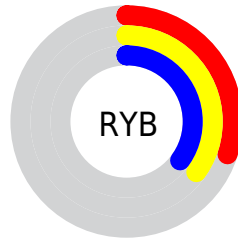
Distribution



Red (31%)

Green (35%)

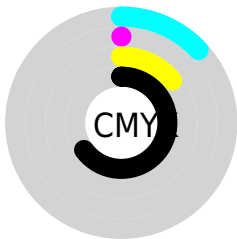
Blue (30%)



Red (30%)

Yellow (35%)

Blue (35%)

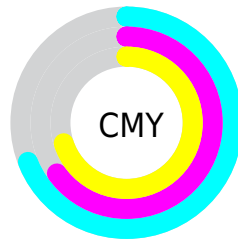


Cyan (13%)

Magenta (0%)

Yellow (14%)

Black (65%)



Cyan (69%)

Magenta (65%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 9.584, 141.643 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, 9.584, 141.643 by changing the saturation by 10% instead.

■ 37, 9.584, 141.643

■ 37, 9.584, 141.643

■ 100, 9.584,
141.643

■ 27, 9.584, 141.643

■ 57, 9.584, 141.643

■ 17, 9.584, 141.643

■ 67, 9.584, 141.643

■ 7, 9.584, 141.643

■ 77, 9.584, 141.643

■ 0, 9.584, 141.643

■ 87, 9.584, 141.643

■ 97, 9.584, 141.643

■ 37, 9.584, 141.643

■ 37, 9.584, 141.643

■ 36, 16.285,
141.038

■ 38, 2.911, 142.198

■ 35, 22.933,
140.353

■ 39, 3.680, 322.565

■ 35, 29.424,
139.589

■ 40, 10.146,
322.975

■ 34, 35.624,
138.762

■ 41, 16.460,
323.312

■ 34, 41.365,
137.905

■ 42, 22.607,
323.600

■ 33, 46.439,
137.084

■ 44, 28.577,
323.845

■ 33, 50.609,
136.391

■ 45, 34.368,
324.056

■ 33, 53.831,
135.799

■ 46, 39.983,
324.237

■ 33, 55.586,
135.284

■ 48, 45.425,
324.393

Harmonies

Complementary

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



37, 9.584, 141.643



34, 9.614, 323.006

Rectangle

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



37, 9.584, 141.643



37, 9.584, 191.643



37, 9.584, 321.643



37, 9.584, 11.643

Sweetspot

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



37, 9.585, 141.644



49, 3.278, 142.214



38, 7.318, 105.222



24, 2.308, 142.182



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



37, 9.585, 141.644



47, 14.050, 141.461



37, 7.270, 158.390



18, 3.767, 141.952



40, 63.806, 135.425



82, 112.973, 135.756

Inverse Universe

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



34, 9.614, 323.006



44, 14.096, 323.154



34, 7.354, 340.429



17, 3.778, 322.741



23, 62.333, 325.368



53, 109.912, 325.186

Previews

White Background



This preview shows how the CIELCh color 37, 9.584, 141.643 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 CIELCh color 37, 9.584, 141.643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

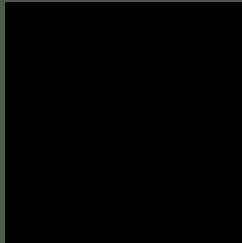
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

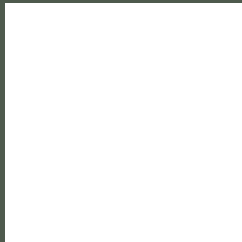
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 9.584, 141.643

Background



This preview shows how black text looks on a background with the CIELCh color 37, 9.584, 141.643.



This preview shows how white text looks on a background with the CIELCh color 37, 9.584, 141.643.

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, 9.584, 141.643

Protanopia

37, 7.589, 95.285

Deuteranopia

37, 6.991, 46.151



Tritanopia
37, 5.108, 257.307

Trichromacy



Original Color

37, 9.584, 141.643

Protanomaly

37, 7.433, 115.804

Deuteranomaly

37, 5.399, 85.101

Tritanomaly

37, 3.722, 198.981

Monochromacy



Original Color

37, 9.584, 141.643

Achromatopsia

36, 0.005, 296.813

Achromatomaly

36, 3.549, 138.607

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 9.584, 141.643 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(78, 90, 77)` looks like.

```
.text, #text, p{  
    color:rgb(78, 90, 77)  
}
```

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(78, 90, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 90, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 9.584, 141.643 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(78, 90, 77) }
```

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

```
.border{ border-color:rgb(78, 90, 77) }
```

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

Here you see how a box with a 4 pixel rgb(78, 90, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 90, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 90, 77);  
box-shadow:4px 4px 4px 4px rgb(78, 90, 77)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 9.584, 141.643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 90, 77) }
```

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

```
.background{ background-color: rgb(78, 90,  
77) }
```

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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