

Converting Colors

CIELCh(37, 29.513, 121.140)

Have a look what the booklet for
CIELCh(37, 29.513, 121.140)
contains.

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Color

CIELCh(37, 29.601, 121.313)

Conversions

Conversions Part 1

Format	Color
Hex	4C5D2D
RGB	76, 93, 45
RGB Percent	30%, 36%, 18%
CMY	0.7023, 0.6356, 0.8238
CMYK	0.18, 0.00, 0.52, 0.64
HSL	81°, 35%, 27%
HSV	81°, 52%, 36%
XYZ	7.3546, 9.5379, 3.9290
YIQ	82.4450, 5.2760, -18.5320

Conversions

Conversions Part 2

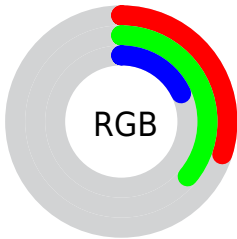
Format	Color
RYB	45, 93, 62
Decimal	5004589
CIELab	37.00, -15.38, 25.29
CIELCh	37, 29.601, 121.313
Yxy	9.5379, 0.3532, 0.4581
Android (android.graphics.Color)	4283194669 (0xFF4C5D2D)
YUV	82.4450, -18.4604, -5.6523
Hunter-Lab	30.8835, -11.5381, 14.0757

Details

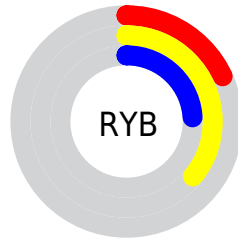
The CIELCh color **37, 29.601, 121.313** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **23, 32.589, 307.026**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 29.399, 121.137**, and **17, 28.551, 121.795** is the 20% darker color. If you saturate the color by 10%, you get **37, 34.784, 120.957**, and if you desaturate by 10%, it is **37, 24.117, 121.761**.

Distribution



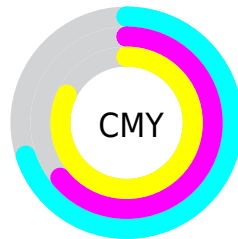
- Red (30%)
- Green (36%)
- Blue (18%)



- Red (18%)
- Yellow (36%)
- Blue (24%)



- Cyan (18%)
- Magenta (0%)
- Yellow (52%)
- Black (64%)





- Cyan (70%)
- Magenta (64%)
- Yellow (82%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 29.601, 121.313 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, 29.601, 121.313 by changing the saturation by 10% instead.


 37, 29.601,
121.313


 37, 29.601,
121.313

 100, 29.601,
121.313


 27, 29.601,
121.313

 57, 29.601,
121.313


 17, 29.601,
121.313

 67, 29.601,
121.313

 7, 29.601, 121.313

 77, 29.601,
121.313

 0, 29.601, 121.313

 87, 29.601,
121.313

 97, 29.601,
121.313

■ 37, 29.601,
121.313

■ 37, 29.601,
121.313

■ 37, 34.784,
120.957

■ 37, 24.117,
121.761

■ 36, 39.503,
120.752

■ 38, 18.442,
122.252

■ 36, 43.556,
120.781

■ 38, 12.658,
122.759

■ 36, 46.755,
121.122

■ 39, 6.817, 123.265

■ 36, 49.344,
121.350

■ 39, 0.960, 123.786

■ 40, 4.886, 304.201

■ 41, 10.701,
304.641

■ 41, 16.470,
305.050

■ 42, 22.182,
305.428

Harmonies

Complementary

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



37, 29.601, 121.313



23, 32.589, 307.026

Rectangle

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



37, 29.601, 121.313



37, 29.601, 171.313



37, 29.601, 301.313



37, 29.601, 351.313

Sweetspot

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



37, 29.602, 121.315



49, 10.823, 123.073



29, 19.541, 54.118



25, 7.442, 123.003



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, 29.602, 121.315



47, 42.945, 120.896



35, 34.013, 137.291



19, 3.245, 123.406



42, 55.544, 121.660



86, 98.597, 122.643

Inverse Universe

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



23, 32.589, 307.026



26, 48.653, 307.915



26, 34.423, 322.395



17, 3.296, 304.256



13, 68.656, 309.587



34, 121.952, 308.944

Previews

White Background



This preview shows how the CIELCh color 37, 29.601, 121.313 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, 29.601, 121.313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

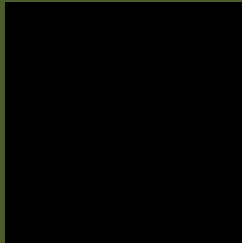
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 29.601, 121.313

Background



This preview shows how black text looks on a background with the CIELCh color 37, 29.601, 121.313.



This preview shows how white text looks on a background with the CIELCh color 37, 29.601, 121.313.

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, 29.601, 121.313](#)

Protanopia
[37, 26.810, 96.222](#)

Deuteranopia
[37, 24.473, 78.791](#)



Tritanopia
37, 4.391, 257.038

Trichromacy



Original Color
37, 29.601, 121.313

Protanomaly
37, 26.877, 105.744

Deuteranomaly
37, 24.481, 96.941

Tritanomaly
37, 9.680, 135.556

Monochromacy



Original Color
37, 29.601, 121.313

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 10.842, 122.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 29.601, 121.313 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(76, 93, 45)` looks like.

```
.text, #text, p{  
    color:rgb(76, 93, 45)  
}
```

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(76, 93, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 93, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 29.601, 121.313 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(76, 93, 45) }
```

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

```
.border{ border-color:rgb(76, 93, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 93, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 93, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 93, 45);  
box-shadow:4px 4px 4px 4px rgb(76, 93, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 29.601, 121.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 93, 45) }
```

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

```
.background{ background-color: rgb(76, 93,  
45) }
```

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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