

Converting Colors

CIELCh(37, 29.930, 163.539)

Have a look what the booklet for
CIELCh(37, 29.930, 163.539)
contains.

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Color

CIELCh(37, 29.512, 164.276)

Conversions

Conversions Part 1

Format	Color
Hex	1C6249
RGB	28, 98, 73
RGB Percent	11%, 38%, 29%
CMY	0.8921, 0.6141, 0.7122
CMYK	0.72, 0.00, 0.25, 0.61
HSL	159°, 56%, 25%
HSV	159°, 72%, 39%
XYZ	6.0867, 9.5379, 7.8900
YIQ	74.2200, -33.6950, -22.6150

Conversions

Conversions Part 2

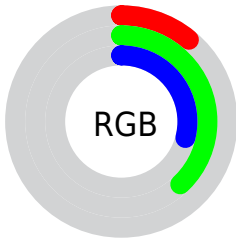
Format	Color
RYB	28, 71, 98
Decimal	1860169
CIELab	37.00, -28.41, 8.00
CIELCh	37, 29.512, 164.276
Yxy	9.5379, 0.2588, 0.4056
Android (android.graphics.Color)	4280050249 (0xFF1C6249)
YUV	74.2200, -0.6015, -40.5349
Hunter-Lab	30.8835, -18.8663, 6.4712

Details

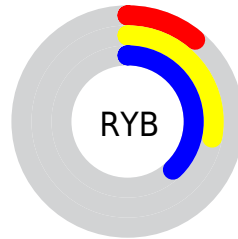
The CIELCh color **37, 29.512, 164.276** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **23, 34.110, 2.924**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 28.984, 164.625**, and **18, 24.546, 157.136** is the 20% darker color. If you saturate the color by 10%, you get **37, 32.344, 162.605**, and if you desaturate by 10%, it is **37, 26.263, 165.775**.

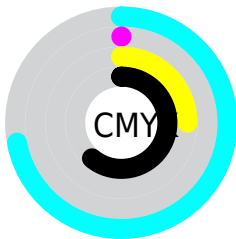
Distribution



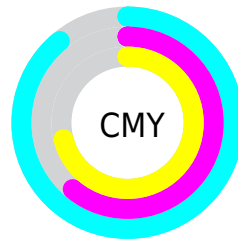
- Red (11%)
- Green (38%)
- Blue (29%)



- Red (11%)
- Yellow (28%)
- Blue (38%)



- Cyan (72%)
- Magenta (0%)
- Yellow (25%)
- Black (61%)





- Cyan (89%)
- Magenta (61%)
- Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 29.512, 164.276 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, 29.512, 164.276 by changing the saturation by 10% instead.


 37, 29.512,
164.276


 37, 29.512,
164.276

 100, 29.512,
164.276


 27, 29.512,
164.276

 57, 29.512,
164.276


 17, 29.512,
164.276


 67, 29.512,
164.276

 7, 29.512, 164.276

 77, 29.512,
164.276

 0, 29.512, 164.276

 87, 29.512,
164.276

 97, 29.512,
164.276

■ 37, 29.512,
164.276

■ 37, 29.512,
164.276

■ 37, 32.344,
162.605

■ 37, 26.263,
165.775

■ 36, 34.759,
160.764

■ 38, 22.633,
167.124

■ 36, 36.600,
159.377

■ 38, 18.680,
168.340

■ 39, 14.469,
169.446

■ 40, 10.067,
170.462

■ 41, 5.539, 171.412

■ 42, 0.941, 172.515

■ 43, 3.678, 352.954

Harmonies

Complementary

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



37, 29.512, 164.276



23, 34.110, 2.924

Rectangle

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



37, 29.512, 164.276



37, 29.512, 214.276



37, 29.512, 344.276



37, 29.512, 34.276

Sweetspot

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



37, 29.512, 164.275



51, 12.424, 170.403



37, 44.905, 130.586



25, 8.261, 170.235



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



37, 29.512, 164.275



47, 40.810, 161.427



35, 19.436, 215.047



20, 2.550, 171.711



41, 40.407, 158.998



84, 72.488, 157.495

Inverse Universe

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



23, 34.110, 2.924



27, 47.246, 8.265



24, 33.889, 36.695



18, 2.601, 353.095



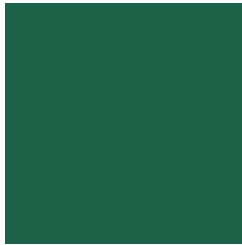
22, 46.474, 13.487



51, 82.195, 17.197

Previews

White Background



This preview shows how the CIELCh color 37, 29.512, 164.276 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, 29.512, 164.276 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, 29.512, 164.276

Background



This preview shows how black text looks on a background with the CIELCh color 37, 29.512, 164.276.



This preview shows how white text looks on a background with the CIELCh color 37, 29.512, 164.276.

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, 29.345, 164.103

Protanopia
37, 11.884, 97.078

Deuteranopia
37, 8.054, 52.326



Tritanopia
37, 18.143, 211.229

Trichromacy



Original Color
37, 29.345, 164.103

Protanomaly
36, 16.138, 144.202

Deuteranomaly
36, 10.639, 148.984

Tritanomaly
37, 20.559, 189.838

Monochromacy



Original Color
37, 29.345, 164.103

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 12.248, 170.042

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 29.512, 164.276 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(28, 98, 73)` looks like.

```
.text, #text, p{  
    color:rgb(28, 98, 73)  
}
```

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(28, 98, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 98, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 29.512, 164.276 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(28, 98, 73) }
```

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

```
.border{ border-color:rgb(28, 98, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 98, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 98, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 98, 73);  
box-shadow:4px 4px 4px 4px rgb(28, 98, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 29.512, 164.276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 98, 73) }
```

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

```
.background{ background-color: rgb(28, 98,  
73) }
```

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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