

Converting Colors

CIELCh(37, 36.427, 145.910)

Have a look what the booklet for
CIELCh(37, 36.427, 145.910)
contains.

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Color

CIELCh(37, 36.603, 145.976)

Conversions

Conversions Part 1

Format	Color
Hex	286335
RGB	40, 99, 53
RGB Percent	16%, 39%, 21%
CMY	0.8449, 0.6134, 0.7937
CMYK	0.60, 0.00, 0.47, 0.61
HSL	133°, 43%, 27%
HSV	133°, 60%, 39%
XYZ	5.9123, 9.5379, 4.8504
YIQ	76.1150, -20.3980, -26.8140

Conversions

Conversions Part 2

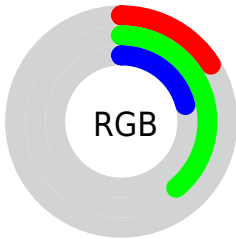
Format	Color
R_{YB}	40, 88, 99
Decimal	2646837
CIE _{Lab}	37.00, -30.34, 20.48
CIE _{LCh}	37, 36.603, 145.976
Yxy	9.5379, 0.2912, 0.4698
Android (android.graphics.Color)	4280836917 (0xFF286335)
YUV	76.1150, -11.3957, -31.6729
Hunter-Lab	30.8835, -19.8742, 12.3066

Details

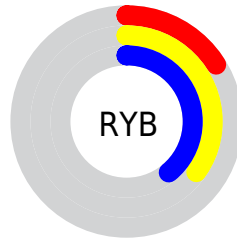
The CIELCh color $37, 36.603, 145.976$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $26, 36.385, 335.189$, and the grayscale version is $32, 0.005, 296.813$.

A 20% lighter version of the original color is $57, 36.526, 145.878$, and $17, 33.579, 142.063$ is the 20% darker color. If you saturate the color by 10%, you get $37, 41.826, 144.623$, and if you desaturate by 10%, it is $38, 30.944, 147.183$.

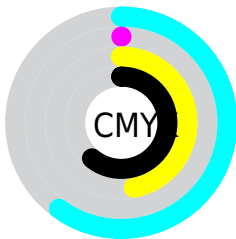
Distribution



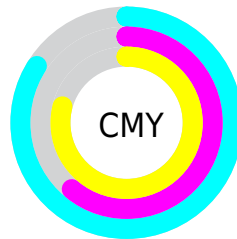
- Red (16%)
- Green (39%)
- Blue (21%)



- Red (16%)
- Yellow (35%)
- Blue (39%)



- Cyan (60%)
- Magenta (0%)
- Yellow (47%)
- Black (61%)





- Cyan (84%)
- Magenta (61%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 36.603, 145.976 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, 36.603, 145.976 by changing the saturation by 10% instead.


 37, 36.603,
145.976


 37, 36.603,
145.976

 100, 36.603,
145.976


 27, 36.603,
145.976

 57, 36.603,
145.976


 17, 36.603,
145.976


 67, 36.603,
145.976

 7, 36.603, 145.976

 77, 36.603,
145.976

 0, 36.603, 145.976

 87, 36.603,
145.976

 97, 36.603,
145.976

■ 37, 36.603,
145.976

■ 37, 36.603,
145.976

■ 37, 41.826,
144.623

■ 38, 30.944,
147.183

■ 36, 46.497,
143.138

■ 38, 24.967,
148.245

■ 36, 50.512,
141.557

■ 39, 18.784,
149.175

■ 36, 53.989,
140.192

■ 40, 12.496,
149.987

■ 36, 54.028,
140.179

■ 41, 6.186, 150.706

■ 42, 0.079, 328.901

■ 43, 6.247, 331.800

■ 44, 12.284,
332.291

■ 45, 18.164,
332.717

Harmonies

Complementary

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



37, 36.603, 145.976



26, 36.385, 335.189

Rectangle

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



37, 36.603, 145.976



37, 36.603, 195.976



37, 36.603, 325.976



37, 36.603, 15.976

Sweetspot

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



37, 36.604, 145.976



51, 13.975, 150.090



40, 34.624, 115.109



25, 9.631, 149.933



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, 36.604, 145.976



47, 52.673, 144.012



38, 24.010, 170.944



19, 3.459, 150.777



41, 59.619, 139.877



83, 107.031, 138.747

Inverse Universe

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



26, 36.385, 335.189



31, 51.260, 336.299



25, 28.678, 5.250



18, 3.471, 331.772



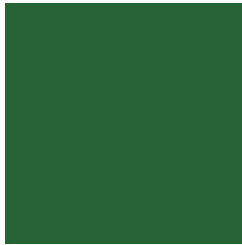
24, 53.557, 338.874



54, 92.722, 339.715

Previews

White Background



This preview shows how the CIELCh color 37, 36.603, 145.976 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, 36.603, 145.976 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, 36.603, 145.976

Background



This preview shows how black text looks on a background with the CIELCh color 37, 36.603, 145.976.



This preview shows how white text looks on a background with the CIELCh color 37, 36.603, 145.976.

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, 36.603, 145.976

Protanopia
37, 23.914, 96.838

Deuteranopia
37, 19.666, 76.149



Tritanopia
37, 14.754, 217.515

Trichromacy



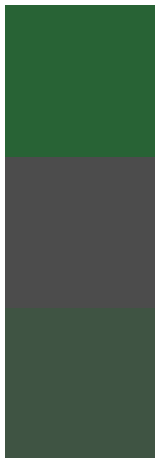
Original Color
37, 36.603, 145.976

Protanomaly
36, 25.770, 123.024

Deuteranomaly
36, 20.958, 117.084

Tritanomaly
37, 19.434, 174.364

Monochromacy



Original Color
37, 36.603, 145.976

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 14.090, 148.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 36.603, 145.976 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(40, 99, 53)` looks like.

```
.text, #text, p{  
    color:rgb(40, 99, 53)  
}
```

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(40, 99, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 99, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 36.603, 145.976 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(40, 99, 53) }
```

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

```
.border{ border-color:rgb(40, 99, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 99, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 99, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 99, 53);  
box-shadow:4px 4px 4px 4px rgb(40, 99, 53)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 36.603, 145.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 99, 53) }
```

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

```
.background{ background-color: rgb(40, 99,  
53) }
```

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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