

Converting Colors

CIELCh(37, 36.687, 145.511)

Have a look what the booklet for
CIELCh(37, 36.687, 145.511)
contains.

CIELCh(37, 37.064, 145.421)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(37, 37.064, 145.421)

Conversions

Conversions Part 1

Format	Color
Hex	286334
RGB	40, 99, 52
RGB Percent	16%, 39%, 20%
CMY	0.8447, 0.6133, 0.7975
CMYK	0.60, 0.00, 0.48, 0.61
HSL	132°, 43%, 27%
HSV	132°, 60%, 39%
XYZ	5.8962, 9.5379, 4.7375
YIQ	76.0010, -20.0770, -27.1250

Conversions

Conversions Part 2

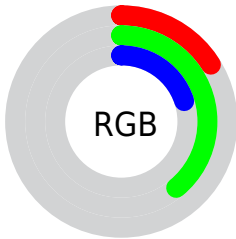
Format	Color
R_{YB}	40, 89, 99
Decimal	2646836
CIE _{Lab}	37.00, -30.52, 21.04
CIE _{LCh}	37, 37.064, 145.421
Yxy	9.5379, 0.2923, 0.4728
Android (android.graphics.Color)	4280836916 (0xFF286334)
YUV	76.0010, -11.8325, -31.5729
Hunter-Lab	30.8835, -19.9672, 12.5234

Details

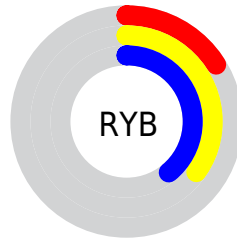
The CIELCh color **37, 37.064, 145.421** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **26, 36.797, 334.472**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 36.973, 145.356**, and **17, 34.274, 141.290** is the 20% darker color. If you saturate the color by 10%, you get **37, 42.348, 144.084**, and if you desaturate by 10%, it is **38, 31.333, 146.617**.

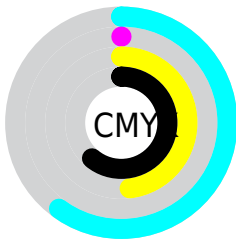
Distribution



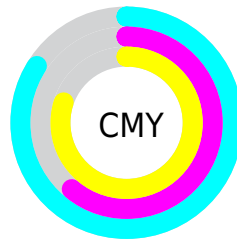
- Red (16%)
- Green (39%)
- Blue (20%)



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



- Cyan (60%)
- Magenta (0%)
- Yellow (48%)
- Black (61%)





- Cyan (84%)
- Magenta (61%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 37, 37.064, 145.421 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, 37.064, 145.421 by changing the saturation by 10% instead.


 37, 37.064,
145.421


 37, 37.064,
145.421

 100, 37.064,
145.421


 27, 37.064,
145.421

 57, 37.064,
145.421


 17, 37.064,
145.421


 67, 37.064,
145.421

 7, 37.064, 145.421

 77, 37.064,
145.421

 0, 37.064, 145.421

 87, 37.064,
145.421

 97, 37.064,
145.421

■ 37, 37.064,
145.421

■ 37, 37.064,
145.421

■ 37, 42.348,
144.084

■ 38, 31.333,
146.617

■ 36, 47.060,
142.622

■ 38, 25.276,
147.671

■ 36, 51.088,
141.079

■ 39, 19.010,
148.593

■ 36, 54.540,
139.767

■ 40, 12.639,
149.398

■ 36, 54.587,
139.751

■ 41, 6.246, 150.109

■ 42, 0.098, 328.793

■ 43, 6.343, 331.189

■ 44, 12.454,
331.670

■ 45, 18.405,
332.088

Harmonies

Complementary

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



37, 37.064, 145.421



26, 36.797, 334.472

Rectangle

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



37, 37.064, 145.421



37, 37.064, 195.421



37, 37.064, 325.421



37, 37.064, 15.421

Sweetspot

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



37, 37.065, 145.421



51, 14.150, 149.497



40, 34.535, 114.361



25, 9.752, 149.342



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, 37.065, 145.421



47, 53.322, 143.478



38, 24.362, 169.730



19, 3.502, 150.177



41, 60.204, 139.461



83, 107.966, 138.381

Inverse Universe

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



26, 36.797, 334.472



32, 51.842, 335.518



25, 28.748, 3.987



18, 3.514, 331.160



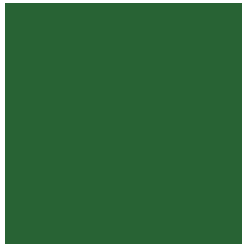
24, 54.206, 337.876



54, 93.901, 338.625

Previews

White Background



This preview shows how the CIELCh color 37, 37.064, 145.421 looks on a white background.

Color Contrast Check

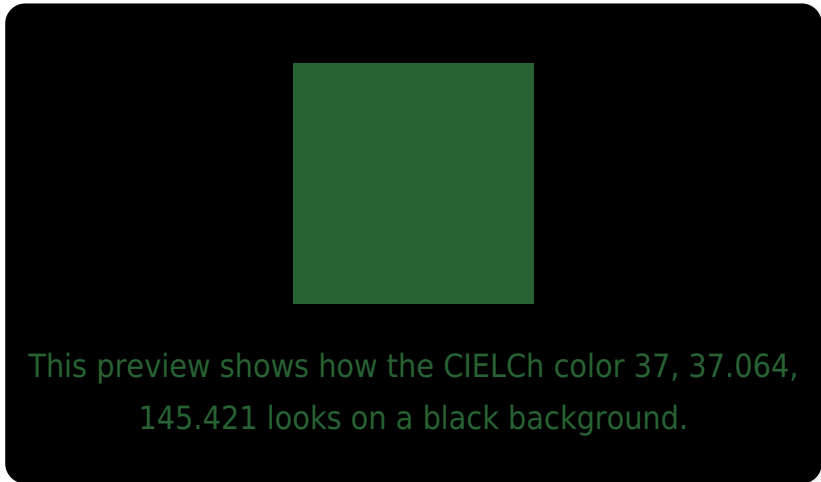
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.064, 145.421

Background



This preview shows how black text looks on a background with the CIELCh color 37, 37.064, 145.421.



This preview shows how white text looks on a background with the CIELCh color 37, 37.064, 145.421.

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, 37.064, 145.421

Protanopia

37, 24.481, 96.941

Deuteranopia

37, 19.666, 76.149



Tritanopia
37, 14.754, 217.515

Trichromacy



Original Color
37, 37.064, 145.421

Protanomaly
36, 26.316, 122.614

Deuteranomaly
36, 21.535, 116.736

Tritanomaly
37, 19.434, 174.364

Monochromacy



Original Color
37, 37.064, 145.421

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, 37.064, 145.421 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(40, 99, 52)  
}
```

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, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 99, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 37.064, 145.421 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, 52) }
```

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

```
.border{ border-color:rgb(40, 99, 52) }
```

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, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 99, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 99, 52);  
box-shadow:4px 4px 4px 4px rgb(40, 99, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 37.064, 145.421 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, 52) }
```

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

```
.background{ background-color: rgb(40, 99,  
52) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor