

Converting Colors

CIELCh(40, 37.626, 135.665)

Have a look what the booklet for
CIELCh(40, 37.626, 135.665)
contains.

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Color

CIELCh(40, 37.986, 135.518)

Conversions

Conversions Part 1

Format	Color
Hex	3D6931
RGB	61, 105, 49
RGB Percent	24%, 41%, 19%
CMY	0.7618, 0.5893, 0.8088
CMYK	0.42, 0.00, 0.53, 0.59
HSL	107°, 36%, 30%
HSV	107°, 53%, 41%
XYZ	7.4810, 11.2510, 4.6555
YIQ	85.4600, -8.2480, -26.7440

Conversions

Conversions Part 2

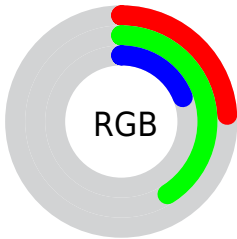
Format	Color
R_{YB}	49, 105, 93
Decimal	4024625
CIE _{Lab}	40.00, -27.10, 26.62
CIE _{LCh}	40, 37.986, 135.518
Yxy	11.2510, 0.3199, 0.4811
Android (android.graphics.Color)	4282214705 (0xFF3D6931)
YUV	85.4600, -17.9748, -21.4514
Hunter-Lab	33.5425, -18.8885, 15.2507

Details

The CIELCh color **40, 37.986, 135.518** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **28, 38.814, 320.498**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 38.096, 135.827**, and **20, 38.040, 135.548** is the 20% darker color. If you saturate the color by 10%, you get **39, 44.338, 134.923**, and if you desaturate by 10%, it is **41, 31.193, 136.140**.

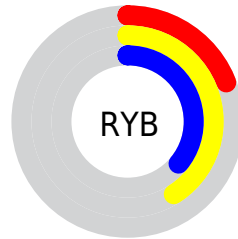
Distribution



Red (24%)

Green (41%)

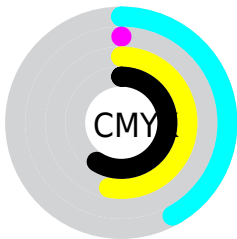
Blue (19%)



Red (19%)

Yellow (41%)

Blue (36%)

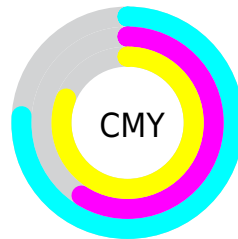


Cyan (42%)

Magenta (0%)

Yellow (53%)

Black (59%)



Cyan (76%)


Magenta (59%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 37.986, 135.518 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 40, 37.986, 135.518 by changing the saturation by 10% instead.


 40, 37.986,
135.518


 40, 37.986,
135.518


 100, 37.986,
135.518


 30, 37.986,
135.518

 60, 37.986,
135.518


 20, 37.986,
135.518

 70, 37.986,
135.518

 10, 37.986,
135.518

 80, 37.986,
135.518

 0, 37.986, 135.518

 90, 37.986,
135.518

 40, 37.986,

 40, 37.986,

135.518

■ 39, 44.338,
134.923

■ 39, 50.025,
134.424

■ 39, 54.779,
134.122

■ 38, 58.394,
134.084

■ 38, 60.560,
133.918

135.518

■ 41, 31.193,
136.140

■ 41, 24.131,
136.743

■ 42, 16.929,
137.304

■ 43, 9.684, 137.814

■ 44, 2.468, 138.301

■ 45, 4.668, 318.615

■ 46, 11.686,
318.973

■ 47, 18.563,
319.273

■ 48, 25.281,

319.530

Harmonies

Complementary

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



40, 37.986, 135.518



28, 38.814, 320.498

Rectangle

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



40, 37.986, 135.518



40, 37.986, 185.518



40, 37.986, 315.518



40, 37.986, 5.518

Sweetspot

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



40, 37.987, 135.519



54, 14.219, 137.667



40, 26.850, 93.285



28, 9.679, 137.593



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 37.987, 135.519



50, 54.862, 134.796



40, 33.074, 148.902



22, 4.112, 138.028



43, 65.755, 134.061



85, 114.016, 134.650

Inverse Universe

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



28, 38.814, 320.498



33, 56.094, 320.806



29, 33.253, 337.443



21, 4.135, 318.739



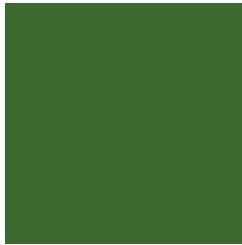
22, 66.411, 320.506



49, 114.488, 320.085

Previews

White Background



This preview shows how the CIELCh color 40, 37.986, 135.518 looks on a white background.

Color Contrast Check

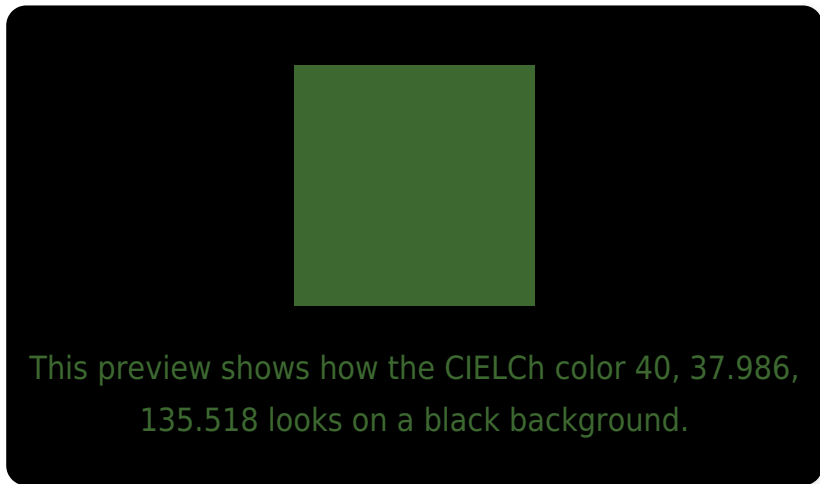
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 40, 37.986, 135.518

Background



This preview shows how black text looks on a background with the CIELCh color 40, 37.986, 135.518.



This preview shows how white text looks on a background with the CIELCh color 40, 37.986, 135.518.

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
40, 37.986, 135.518

Protanopia
40, 29.377, 96.011

Deuteranopia
40, 25.686, 78.227



Tritanopia
40, 11.129, 220.950

Trichromacy



Original Color
40, 37.986, 135.518

Protanomaly
40, 30.795, 114.355

Deuteranomaly
39, 26.114, 106.061

Tritanomaly
40, 16.969, 162.263

Monochromacy



Original Color
40, 37.986, 135.518

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 14.160, 137.820

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 37.986, 135.518 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(61, 105, 49)` looks like.

```
.text, #text, p{  
    color:rgb(61, 105, 49)  
}
```

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(61, 105, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 105, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 37.986, 135.518 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(61, 105, 49) }
```

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

```
.border{ border-color:rgb(61, 105, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 105, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 105, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 105, 49);  
box-shadow:4px 4px 4px 4px rgb(61, 105,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 37.986, 135.518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 105, 49) }
```

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

```
.background{ background-color: rgb(61, 105,  
49) }
```

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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