

Converting Colors

CIELCh(40, 36.506, 163.247)

Have a look what the booklet for
CIELCh(40, 36.506, 163.247)
contains.

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Color

CIELCh(40, 36.542, 163.181)

Conversions

Conversions Part 1

Format	Color
Hex	026C4C
RGB	2, 108, 76
RGB Percent	1%, 42%, 30%
CMY	0.9925, 0.5766, 0.7021
CMYK	0.98, 0.00, 0.30, 0.58
HSL	162°, 97%, 22%
HSV	162°, 98%, 42%
XYZ	6.6859, 11.2510, 8.6504
YIQ	72.6580, -52.9040, -32.4240

Conversions

Conversions Part 2

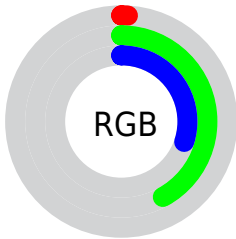
Format	Color
RYB	2, 64, 108
Decimal	158796
CIELab	40.00, -34.98, 10.57
CIELCh	40, 36.542, 163.181
Yxy	11.2510, 0.2515, 0.4232
Android (android.graphics.Color)	4278348876 (0xFF026C4C)
YUV	72.6580, 1.6476, -61.9671
Hunter-Lab	33.5425, -23.1195, 8.1892

Details

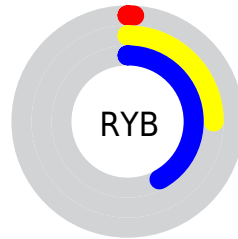
The CIELCh color **40, 36.542, 163.181** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **21, 45.305, 17.177**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 36.323, 163.351**, and **21, 28.034, 154.914** is the 20% darker color. If you saturate the color by 10%, you get **40, 36.924, 162.879**, and if you desaturate by 10%, it is **40, 34.409, 164.995**.

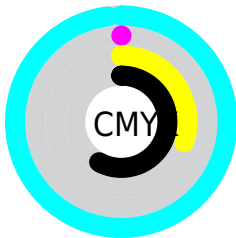
Distribution



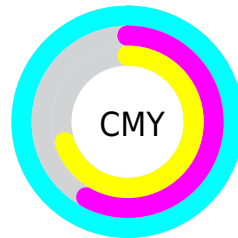
- Red (1%)
- Green (42%)
- Blue (30%)



- Red (1%)
- Yellow (25%)
- Blue (42%)



- Cyan (98%)
- Magenta (0%)
- Yellow (30%)
- Black (58%)





- Cyan (99%)
- Magenta (58%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 36.542, 163.181 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, 36.542, 163.181 by changing the saturation by 10% instead.


 40, 36.542,
163.181


 40, 36.542,
163.181


 100, 36.542,
163.181


 30, 36.542,
163.181

 60, 36.542,
163.181


 20, 36.542,
163.181

 70, 36.542,
163.181


 10, 36.542,
163.181

 80, 36.542,
163.181

 0, 36.542, 163.181

 90, 36.542,
163.181

 40, 36.542,

 40, 36.542,

163.181

163.181

■ 40, 36.924,
162.879

■ 40, 34.409,
164.995

■ 40, 31.958,
166.745

■ 41, 29.034,
168.320

■ 41, 25.656,
169.738

■ 42, 21.868,
171.019

■ 42, 17.734,
172.184

■ 43, 13.324,
173.254

■ 44, 8.711, 174.248

Harmonies

Complementary

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



40, 36.542, 163.181



21, 45.305, 17.177

Rectangle

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



40, 36.542, 163.181



40, 36.542, 213.181



40, 36.542, 343.181



40, 36.542, 33.181

Sweetspot

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



40, 36.542, 163.180



55, 16.929, 173.092



40, 59.954, 132.166



28, 11.644, 172.748



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



40, 36.542, 163.180



52, 44.996, 162.245



34, 23.008, 229.541



22, 2.688, 175.134



43, 39.299, 162.662



86, 69.097, 161.300

Inverse Universe

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



21, 45.305, 17.177



29, 55.765, 19.557



23, 49.541, 41.856



21, 2.755, 356.569



23, 48.780, 18.451



52, 85.459, 22.058

Previews

White Background



This preview shows how the CIELCh color 40, 36.542, 163.181 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



This preview shows how the CIELCh color 40, 36.542, 163.181 looks on a 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, 36.542, 163.181

Background



This preview shows how black text looks on a background with the CIELCh color 40, 36.542, 163.181.



This preview shows how white text looks on a background with the CIELCh color 40, 36.542, 163.181.

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, 36.542, 163.181

Protanopia

40, 14.869, 95.381

Deuteranopia

40, 10.226, 60.600



Tritanopia
40, 21.001, 212.447

Trichromacy



Original Color
40, 36.542, 163.181

Protanomaly
39, 21.888, 148.247

Deuteranomaly
39, 16.157, 154.478

Tritanomaly
40, 25.079, 187.973

Monochromacy



Original Color
40, 36.542, 163.181

Achromatopsia
31, 0.005, 296.813

Achromatomaly
33, 17.300, 171.101

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 36.542, 163.181 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(2, 108, 76)` looks like.

```
.text, #text, p{  
    color:rgb(2, 108, 76)  
}
```

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(2, 108, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 108, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 36.542, 163.181 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(2, 108, 76) }
```

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

```
.border{ border-color:rgb(2, 108, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 108, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 108, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 108, 76);  
box-shadow:4px 4px 4px 4px rgb(2, 108, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 36.542, 163.181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 108, 76) }
```

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

```
.background{ background-color: rgb(2, 108,  
76) }
```

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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