

Converting Colors

CIELCh(40, 42.155, 140.104)

Have a look what the booklet for
CIELCh(40, 42.155, 140.104)
contains.

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Color

CIELCh(40, 42.281, 140.133)

Conversions

Conversions Part 1

Format	Color
Hex	306B30
RGB	48, 107, 48
RGB Percent	19%, 42%, 19%
CMY	0.8136, 0.5821, 0.8133
CMYK	0.55, 0.00, 0.55, 0.58
HSL	120°, 38%, 30%
HSV	120°, 55%, 42%
XYZ	6.9345, 11.2510, 4.5590
YIQ	82.6330, -16.2250, -30.8570

Conversions

Conversions Part 2

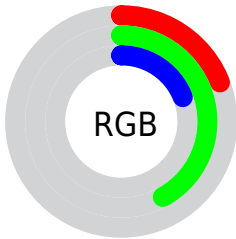
Format	Color
R_{YB}	48, 107, 107
Decimal	3173168
CIE _{Lab}	40.00, -32.45, 27.10
CIE _{LCh}	40, 42.281, 140.133
Yxy	11.2510, 0.3049, 0.4947
Android (android.graphics.Color)	4281363248 (0xFF306B30)
YUV	82.6330, -17.0741, -30.3731
Hunter-Lab	33.5425, -21.7968, 15.4211

Details

The CIELCh color $40, 42.281, 140.133$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $30, 42.010, 327.160$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 42.029, 140.091$, and $21, 40.935, 137.652$ is the 20% darker color. If you saturate the color by 10%, you get $39, 48.718, 139.062$, and if you desaturate by 10%, it is $41, 35.189, 141.149$.

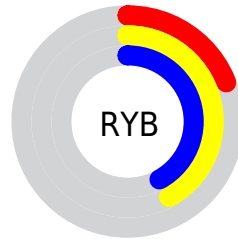
Distribution



Red (19%)

Green (42%)

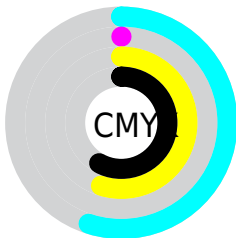
Blue (19%)



Red (19%)

Yellow (42%)

Blue (42%)

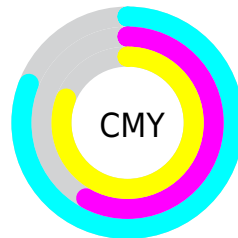


Cyan (55%)

Magenta (0%)

Yellow (55%)

Black (58%)



Cyan (81%)


Magenta (58%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 42.281, 140.133 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, 42.281, 140.133 by changing the saturation by 10% instead.


 40, 42.281,
140.133


 40, 42.281,
140.133


 100, 42.281,
140.133


 30, 42.281,
140.133

 60, 42.281,
140.133


 20, 42.281,
140.133

 70, 42.281,
140.133

 10, 42.281,
140.133

 80, 42.281,
140.133

 0, 42.281, 140.133

 90, 42.281,
140.133

 40, 42.281,

 40, 42.281,

140.133

■ 39, 48.718,
139.062

■ 39, 54.234,
138.009

■ 39, 58.547,
137.086

■ 39, 61.619,
136.371

■ 39, 63.013,
136.031

140.133

■ 41, 35.189,
141.149

■ 41, 27.665,
142.069

■ 42, 19.897,
142.882

■ 43, 12.032,
143.589

■ 44, 4.183, 144.218

■ 46, 3.566, 324.648

■ 47, 11.157,
325.118

■ 48, 18.553,
325.499

■ 50, 25.731,
325.821

Harmonies

Complementary

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



40, 42.281, 140.133



30, 42.010, 327.160

Rectangle

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



40, 42.281, 140.133



40, 42.281, 190.133



40, 42.281, 320.133



40, 42.281, 10.133

Sweetspot

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



40, 42.282, 140.133



55, 16.423, 143.451



44, 33.829, 105.258



28, 10.907, 143.359



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, 42.282, 140.133



51, 60.250, 138.804



41, 28.968, 158.066



22, 4.397, 143.997



42, 67.466, 136.029



85, 116.116, 136.021

Inverse Universe

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



30, 42.010, 327.160



36, 59.448, 327.609



29, 30.598, 349.357



21, 4.404, 324.906



27, 65.069, 328.268



58, 111.965, 328.270

Previews

White Background



This preview shows how the CIELCh color 40, 42.281, 140.133 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, 42.281, 140.133 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, 42.281, 140.133

Background



This preview shows how black text looks on a background with the CIELCh color 40, 42.281, 140.133.



This preview shows how white text looks on a background with the CIELCh color 40, 42.281, 140.133.

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, 42.281, 140.133

Protanopia
40, 29.913, 96.083

Deuteranopia
40, 25.998, 77.241



Tritanopia
40, 14.488, 217.716

Trichromacy



Original Color
40, 42.281, 140.133

Protanomaly
39, 32.396, 118.792

Deuteranomaly
39, 26.786, 111.066

Tritanomaly
40, 20.420, 168.295

Monochromacy



Original Color
40, 42.281, 140.133

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 16.646, 142.983

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 42.281, 140.133 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(48, 107, 48)` looks like.

```
.text, #text, p{  
    color:rgb(48, 107, 48)  
}
```

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(48, 107, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 107, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 42.281, 140.133 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(48, 107, 48) }
```

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

```
.border{ border-color:rgb(48, 107, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 107, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 107, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 107, 48);  
box-shadow:4px 4px 4px 4px rgb(48, 107,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 42.281, 140.133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 107, 48) }
```

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

```
.background{ background-color: rgb(48, 107,  
48) }
```

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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