

Converting Colors

CIELCh(40, 43.502, 135.832)

Have a look what the booklet for
CIELCh(40, 43.502, 135.832)
contains.

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Color

CIELCh(40, 43.384, 136.102)

Conversions

Conversions Part 1

Format	Color
Hex	356A2A
RGB	53, 106, 42
RGB Percent	21%, 42%, 16%
CMY	0.7918, 0.5840, 0.8350
CMYK	0.50, 0.00, 0.60, 0.58
HSL	110°, 43%, 29%
HSV	110°, 60%, 42%
XYZ	7.0537, 11.2510, 3.9972
YIQ	82.8570, -11.0440, -31.1400

Conversions

Conversions Part 2

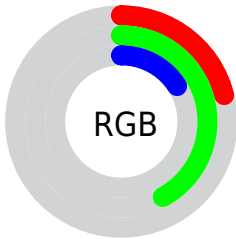
Format	Color
R_{YB}	42, 106, 95
Decimal	3500586
CIE _{Lab}	40.00, -31.26, 30.08
CIE _{LCh}	40, 43.384, 136.102
Yxy	11.2510, 0.3163, 0.5045
Android (android.graphics.Color)	4281690666 (0xFF356A2A)
YUV	82.8570, -20.1425, -26.1846
Hunter-Lab	33.5425, -21.1622, 16.4143

Details


The CIELCh color **40, 43.384, 136.102** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **27, 44.028, 322.000**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 43.346, 136.274**, and **20, 40.737, 137.495** is the 20% darker color. If you saturate the color by 10%, you get **40, 49.391, 135.476**, and if you desaturate by 10%, it is **41, 36.752, 136.785**.

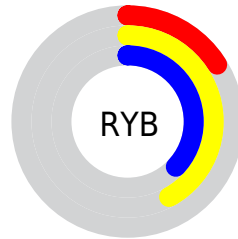
Distribution



 Red (21%)

 Green (42%)

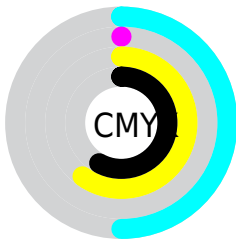
 Blue (16%)




 Red (16%)

 Yellow (42%)

 Blue (37%)

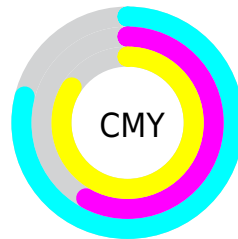


 Cyan (50%)


 Magenta (0%)

 Yellow (60%)

 Black (58%)



 Cyan (79%)


 Magenta (58%)


 Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 43.384, 136.102 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, 43.384, 136.102 by changing the saturation by 10% instead.


 40, 43.384,
136.102


 40, 43.384,
136.102


 100, 43.384,
136.102


 30, 43.384,
136.102

 60, 43.384,
136.102


 20, 43.384,
136.102

 70, 43.384,
136.102

 10, 43.384,
136.102

 80, 43.384,
136.102

 0, 43.384, 136.102

 90, 43.384,
136.102

 40, 43.384,

 40, 43.384,

136.102

■ 40, 49.391,
135.476

■ 39, 54.505,
134.998

■ 39, 58.444,
134.778

■ 39, 61.562,
134.492

136.102

■ 41, 36.752,
136.785

■ 41, 29.709,
137.462

■ 42, 22.425,
138.098

■ 43, 15.026,
138.677

■ 44, 7.608, 139.198

■ 45, 0.242, 140.193

■ 46, 7.023, 320.001

■ 47, 14.149,
320.348

■ 48, 21.115,

Harmonies

Complementary

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



40, 43.384, 136.102



27, 44.028, 322.000

Rectangle

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



40, 43.384, 136.102



40, 43.384, 186.102



40, 43.384, 316.102



40, 43.384, 6.102

Sweetspot

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



40, 43.384, 136.103



55, 16.467, 138.777



40, 31.273, 94.697



28, 11.363, 138.658



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, 43.384, 136.103



51, 61.935, 135.279



40, 36.335, 149.244



22, 4.165, 139.266



43, 66.216, 134.602



85, 114.702, 135.105

Inverse Universe

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



27, 44.028, 322.000



32, 62.621, 322.240



28, 36.505, 339.676



21, 4.184, 320.004



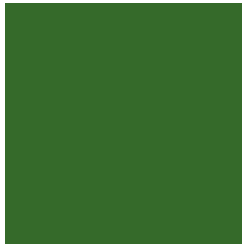
23, 66.038, 321.943



51, 113.783, 321.593

Previews

White Background



This preview shows how the CIELCh color 40, 43.384, 136.102 looks on a white background.

Color Contrast Check

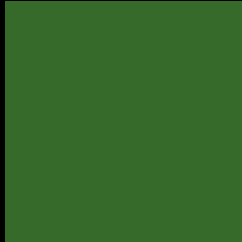
Large Text (above 18pt) WCAG AA ✓ Pass

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, 43.384, 136.102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

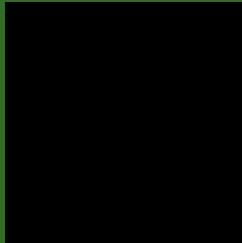
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 43.384, 136.102

Background



This preview shows how black text looks on a background with the CIELCh color 40, 43.384, 136.102.



This preview shows how white text looks on a background with the CIELCh color 40, 43.384, 136.102.

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, 43.384, 136.102

Protanopia
40, 33.132, 95.557

Deuteranopia
40, 28.601, 79.376



Tritanopia
40, 12.784, 220.700

Trichromacy



Original Color
40, 43.384, 136.102

Protanomaly
39, 34.556, 114.500

Deuteranomaly
39, 29.453, 108.351

Tritanomaly
40, 20.162, 161.932

Monochromacy



Original Color
40, 43.384, 136.102

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 16.455, 138.371

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 43.384, 136.102 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(53, 106, 42)` looks like.

```
.text, #text, p{  
    color:rgb(53, 106, 42)  
}
```

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(53, 106, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 106, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 43.384, 136.102 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(53, 106, 42) }
```

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

```
.border{ border-color:rgb(53, 106, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 106, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 106, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 106, 42);  
box-shadow:4px 4px 4px 4px rgb(53, 106,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 43.384, 136.102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 106, 42) }
```

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

```
.background{ background-color: rgb(53, 106,  
42) }
```

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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