

Converting Colors

CIELCh(40, 42.474, 136.765)

Have a look what the booklet for
CIELCh(40, 42.474, 136.765)
contains.

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Color

CIELCh(40, 42.497, 136.845)

Conversions

Conversions Part 1

Format	Color
Hex	356A2C
RGB	53, 106, 44
RGB Percent	21%, 42%, 17%
CMY	0.7921, 0.5842, 0.8274
CMYK	0.50, 0.00, 0.58, 0.58
HSL	111°, 41%, 29%
HSV	111°, 58%, 42%
XYZ	7.0799, 11.2510, 4.1830
YIQ	83.0850, -11.6860, -30.5180

Conversions

Conversions Part 2

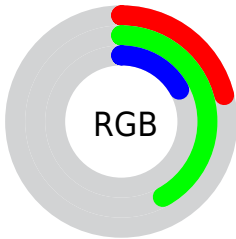
Format	Color
RYB	44, 106, 97
Decimal	3500588
CIELab	40.00, -31.00, 29.07
CIELCh	40, 42.497, 136.845
Yxy	11.2510, 0.3145, 0.4997
Android (android.graphics.Color)	4281690668 (0xFF356A2C)
YUV	83.0850, -19.2689, -26.3845
Hunter-Lab	33.5425, -21.0229, 16.0858

Details

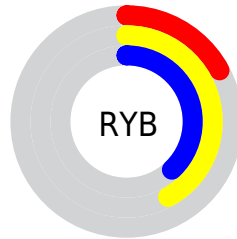
The CIELCh color $40, 42.497, 136.845$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $28, 42.951, 322.783$, and the grayscale version is $35, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 42.428, 136.997$, and $20, 40.737, 137.495$ is the 20% darker color. If you saturate the color by 10%, you get $40, 48.653, 136.144$, and if you desaturate by 10%, it is $41, 35.741, 137.578$.

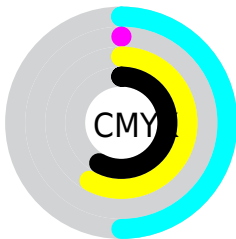
Distribution



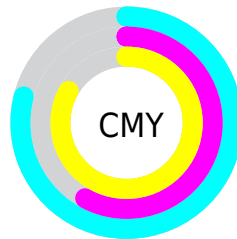
- Red (21%)
- Green (42%)
- Blue (17%)



- Red (17%)
- Yellow (42%)
- Blue (38%)



- Cyan (50%)
- Magenta (0%)
- Yellow (58%)
- Black (58%)





- Cyan (79%)
- Magenta (58%)
- Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 42.497, 136.845 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, 42.497, 136.845 by changing the saturation by 10% instead.


 40, 42.497,
136.845

 40, 42.497,
136.845


 100, 42.497,
136.845


 30, 42.497,
136.845

 60, 42.497,
136.845

 20, 42.497,
136.845

 70, 42.497,
136.845

 10, 42.497,
136.845

 80, 42.497,
136.845

 0, 42.497, 136.845

 90, 42.497,
136.845

 40, 42.497,

 40, 42.497,

136.845

■ 40, 48.653,
136.144

■ 39, 53.946,
135.560

■ 39, 58.093,
135.203

■ 39, 61.301,
134.886

■ 39, 61.781,
134.794

136.845

■ 41, 35.741,
137.578

■ 41, 28.596,
138.286

■ 42, 21.226,
138.942

■ 43, 13.757,
139.532

■ 44, 6.284, 140.061

■ 45, 1.125, 320.365

■ 46, 8.418, 320.863

■ 47, 15.562,
321.206

■ 49, 22.534,

Harmonies

Complementary

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



40, 42.497, 136.845



28, 42.951, 322.783

Rectangle

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



40, 42.497, 136.845



40, 42.497, 186.845



40, 42.497, 316.845



40, 42.497, 6.845

Sweetspot

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



40, 42.498, 136.846



55, 16.607, 139.531



41, 31.195, 97.019



28, 11.460, 139.407



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, 42.498, 136.846



51, 61.018, 135.924



40, 34.381, 150.807



22, 4.199, 140.036



43, 66.471, 134.894



85, 115.064, 135.340

Inverse Universe

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



28, 42.951, 322.783



33, 61.405, 323.067



28, 34.809, 341.177



21, 4.217, 320.795



24, 65.829, 322.882



52, 113.388, 322.580

Previews

White Background



This preview shows how the CIELCh color 40, 42.497, 136.845 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 CIE LCh color 40, 42.497, 136.845 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, 42.497, 136.845

Background



This preview shows how black text looks on a background with the CIELCh color 40, 42.497, 136.845.



This preview shows how white text looks on a background with the CIELCh color 40, 42.497, 136.845.

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, 42.497, 136.845

Protanopia

40, 32.017, 96.315

Deuteranopia

40, 27.562, 78.585



Tritanopia
40, 12.784, 220.700

Trichromacy



Original Color
40, 42.497, 136.845

Protanomaly
39, 33.643, 115.694

Deuteranomaly
39, 28.367, 108.620

Tritanomaly
40, 19.766, 163.294

Monochromacy



Original Color
40, 42.497, 136.845

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 15.927, 139.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 42.497, 136.845 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, 44)` looks like.

```
.text, #text, p{  
    color:rgb(53, 106, 44)  
}
```

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, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 106, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 42.497, 136.845 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, 44) }
```

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

```
.border{ border-color:rgb(53, 106, 44) }
```

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, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 106, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 106, 44);  
box-shadow:4px 4px 4px 4px rgb(53, 106,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 42.497, 136.845 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, 44) }
```

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

```
.background{ background-color: rgb(53, 106,  
44) }
```

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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