

Converting Colors

CIELCh(40, 42.615, 145.506)

Have a look what the booklet for
CIELCh(40, 42.615, 145.506)
contains.

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Color

CIELCh(40, 42.800, 145.460)

Conversions

Conversions Part 1

Format	Color
Hex	236C35
RGB	35, 108, 53
RGB Percent	14%, 42%, 21%
CMY	0.8608, 0.5782, 0.7937
CMYK	0.67, 0.00, 0.51, 0.58
HSL	134°, 50%, 28%
HSV	134°, 67%, 42%
XYZ	6.6590, 11.2510, 5.1406
YIQ	79.9030, -25.8530, -32.5810

Conversions

Conversions Part 2

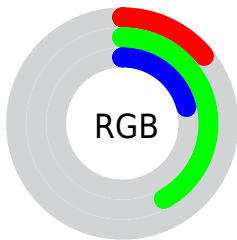
Format	Color
R_{YB}	35, 94, 108
Decimal	2321461
CIE _{Lab}	40.00, -35.26, 24.27
CIE _{LCh}	40, 42.800, 145.460
Y _{xy}	11.2510, 0.2889, 0.4881
Android (android.graphics.Color)	4280511541 (0xFF236C35)
YUV	79.9030, -13.2632, -39.3799
Hunter-Lab	33.5425, -23.2625, 14.3932

Details

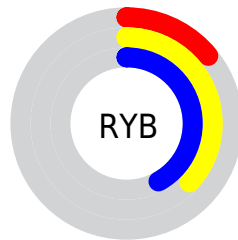
The CIELCh color **40, 42.800, 145.460** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **27, 42.185, 336.515**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 42.720, 145.833**, and **21, 38.518, 139.942** is the 20% darker color. If you saturate the color by 10%, you get **40, 47.908, 143.966**, and if you desaturate by 10%, it is **40, 37.137, 146.808**.

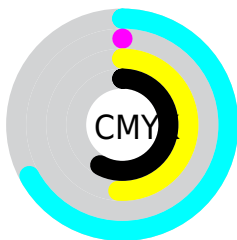
Distribution



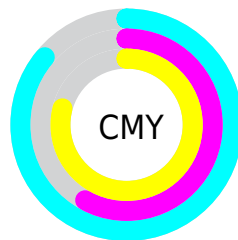
- Red (14%)
- Green (42%)
- Blue (21%)



- Red (14%)
- Yellow (37%)
- Blue (42%)



- Cyan (67%)
- Magenta (0%)
- Yellow (51%)
- Black (58%)





- Cyan (86%)
- Magenta (58%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 42.800, 145.460 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, 42.800, 145.460 by changing the saturation by 10% instead.


 40, 42.800,
145.460


 40, 42.800,
145.460


 100, 42.800,
145.460


 30, 42.800,
145.460

 60, 42.800,
145.460


 20, 42.800,
145.460

 70, 42.800,
145.460

 10, 42.800,
145.460

 80, 42.800,
145.460

 0, 42.800, 145.460

 90, 42.800,
145.460

 40, 42.800,

 40, 42.800,

145.460

145.460

■ 40, 47.908,
143.966

■ 40, 37.137,
146.808

■ 39, 52.349,
142.354

■ 41, 31.039,
148.002

■ 39, 56.123,
140.780

■ 42, 24.631,
149.049

■ 39, 57.169,
140.390

■ 43, 18.031,
149.964

■ 44, 11.341,
150.764

■ 45, 4.649, 151.482

■ 46, 1.980, 331.942

■ 47, 8.495, 332.554

■ 48, 14.860,

Harmonies

Complementary

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



40, 42.800, 145.460



27, 42.185, 336.515

Rectangle

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



40, 42.800, 145.460



40, 42.800, 195.460



40, 42.800, 325.460



40, 42.800, 15.460

Sweetspot

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



40, 42.800, 145.460



56, 16.598, 150.492



43, 41.005, 115.574



29, 11.415, 150.323



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, 42.800, 145.460



51, 60.867, 143.139



41, 27.642, 171.138



22, 3.721, 151.345



43, 61.081, 140.196



85, 107.848, 139.099

Inverse Universe

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



27, 42.185, 336.515



33, 58.001, 337.891



26, 34.165, 8.471



21, 3.734, 332.379



25, 54.621, 339.922



55, 93.093, 340.799

Previews

White Background



This preview shows how the CIELCh color 40, 42.800, 145.460 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, 42.800, 145.460 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, 42.800, 145.460

Background



This preview shows how black text looks on a background with the CIELCh color 40, 42.800, 145.460.



This preview shows how white text looks on a background with the CIELCh color 40, 42.800, 145.460.

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, 42.963, 145.679

Protanopia
40, 27.748, 95.759

Deuteranopia
40, 23.322, 77.124



Tritanopia
40, 16.942, 216.693

Trichromacy



Original Color
40, 42.963, 145.679

Protanomaly
39, 30.324, 123.508

Deuteranomaly
39, 24.968, 118.196

Tritanomaly
40, 22.358, 174.129

Monochromacy



Original Color
40, 42.963, 145.679

Achromatopsia
34, 0.005, 296.813

Achromatomaly
36, 16.731, 149.621

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 42.800, 145.460 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(35, 108, 53)` looks like.

```
.text, #text, p{  
    color:rgb(35, 108, 53)  
}
```

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(35, 108, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 108, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 42.800, 145.460 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(35, 108, 53) }
```

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

```
.border{ border-color:rgb(35, 108, 53) }
```

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

Here you see how a box with a 4 pixel rgb(35, 108, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 108, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 108, 53);  
box-shadow:4px 4px 4px 4px rgb(35, 108,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 42.800, 145.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 108, 53) }
```

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

```
.background{ background-color: rgb(35, 108,  
53) }
```

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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