

Converting Colors

CIELCh(42, 24.912, 152.844)

Have a look what the booklet for
CIELCh(42, 24.912, 152.844)
contains.

CIELCh(42, 24.615, 153.518)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 24.615, 153.518)

Conversions

Conversions Part 1

Format	Color
Hex	406C50
RGB	64, 108, 80
RGB Percent	25%, 42%, 31%
CMY	0.7475, 0.5749, 0.6848
CMYK	0.41, 0.00, 0.26, 0.57
HSL	142°, 25%, 34%
HSV	142°, 41%, 43%
XYZ	9.0084, 12.5000, 9.6026
YIQ	91.6520, -17.2360, -18.0360

Conversions

Conversions Part 2

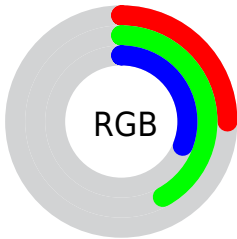
Format	Color
RYB	64, 96, 108
Decimal	4222032
CIELab	42.00, -22.03, 10.98
CIElCh	42, 24.615, 153.518
Yxy	12.5000, 0.2896, 0.4018
Android (android.graphics.Color)	4282412112 (0xFF406C50)
YUV	91.6520, -5.7444, -24.2508
Hunter-Lab	35.3553, -16.3907, 8.6455

Details

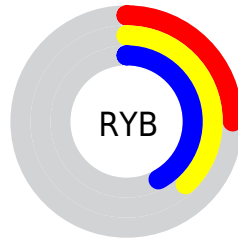
The CIELCh color **42, 24.615, 153.518** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **33, 25.092, 340.088**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 24.839, 153.069**, and **22, 24.812, 153.377** is the 20% darker color. If you saturate the color by 10%, you get **41, 30.340, 152.356**, and if you desaturate by 10%, it is **43, 18.668, 154.540**.

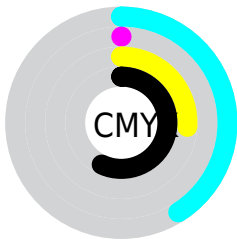
Distribution



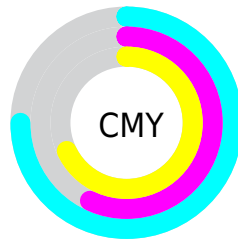
- Red (25%)
- Green (42%)
- Blue (31%)



- Red (25%)
- Yellow (38%)
- Blue (42%)



- Cyan (41%)
- Magenta (0%)
- Yellow (26%)
- Black (57%)





- Cyan (75%)
- Magenta (57%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 24.615, 153.518 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 42, 24.615, 153.518 by changing the saturation by 10% instead.


 42, 24.615,
153.518


 42, 24.615,
153.518


 100, 24.615,
153.518


 32, 24.615,
153.518

 62, 24.615,
153.518


 22, 24.615,
153.518

 72, 24.615,
153.518

 12, 24.615,
153.518

 82, 24.615,
153.518

 2, 24.615, 153.518

 92, 24.615,
153.518

 0, 24.615, 153.518

 42, 24.615,

 42, 24.615,

153.518

■ 41, 30.340,
152.356

■ 41, 35.742,
151.035

■ 40, 40.726,
149.542

■ 40, 45.209,
147.871

■ 40, 49.138,
146.034

■ 40, 52.495,
144.396

153.518

■ 43, 18.668,
154.540

■ 44, 12.591,
155.443

■ 45, 6.466, 156.253

■ 46, 0.359, 157.562

■ 47, 5.675, 337.514

■ 48, 11.598,
338.104

■ 49, 17.383,
338.626

■ 51, 23.013,
339.101

■ 52, 28.477,

Harmonies

Complementary

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



42, 24.615, 153.518



33, 25.092, 340.088

Rectangle

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



42, 24.615, 153.518



42, 24.615, 203.518



42, 24.615, 333.518



42, 24.615, 23.518

Sweetspot

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



42, 24.616, 153.518



57, 9.047, 156.119



44, 26.677, 121.605



29, 6.050, 156.048



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 24.616, 153.518



53, 36.307, 152.392



43, 16.954, 183.754



22, 3.391, 156.382



43, 55.777, 144.189



85, 98.883, 142.856

Inverse Universe

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



33, 25.092, 340.088



40, 36.999, 341.020



33, 20.495, 11.708



21, 3.413, 337.535



25, 50.508, 348.666



54, 85.966, 350.339

Previews

White Background



This preview shows how the CIE LCh color 42, 24.615, 153.518 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 42, 24.615, 153.518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

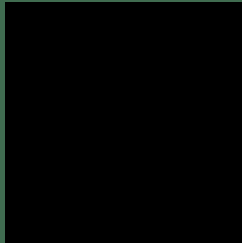
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 24.615, 153.518

Background



This preview shows how black text looks on a background with the CIELCh color 42, 24.615, 153.518.



This preview shows how white text looks on a background with the CIELCh color 42, 24.615, 153.518.

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

42, 24.615, 153.518

Protanopia

42, 14.058, 96.947

Deuteranopia

42, 11.256, 59.822



Tritanopia
42, 12.634, 223.886

Trichromacy



Original Color
42, 24.615, 153.518

Protanomaly
42, 15.332, 128.062

Deuteranomaly
42, 10.959, 117.746

Tritanomaly
42, 14.447, 185.541

Monochromacy



Original Color
42, 24.615, 153.518

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 9.098, 156.325

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 24.615, 153.518 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(64, 108, 80)` looks like.

```
.text, #text, p{  
    color:rgb(64, 108, 80)  
}
```

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(64, 108, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 108, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 24.615, 153.518 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(64, 108, 80) }
```

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

```
.border{ border-color:rgb(64, 108, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 108, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 108, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 108, 80);  
box-shadow:4px 4px 4px 4px rgb(64, 108,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 24.615, 153.518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 108, 80) }
```

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

```
.background{ background-color: rgb(64, 108,  
80) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor