

Converting Colors

CIELCh(42, 40.014, 142.530)

Have a look what the booklet for
CIELCh(42, 40.014, 142.530)
contains.

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Color

CIELCh(42, 39.871, 142.542)

Conversions

Conversions Part 1

Format	Color
Hex	346F39
RGB	52, 111, 57
RGB Percent	20%, 44%, 22%
CMY	0.7944, 0.5631, 0.7750
CMYK	0.53, 0.00, 0.48, 0.56
HSL	125°, 36%, 32%
HSV	125°, 53%, 44%
XYZ	7.9157, 12.5000, 5.9162
YIQ	87.2030, -17.8300, -29.3020

Conversions

Conversions Part 2

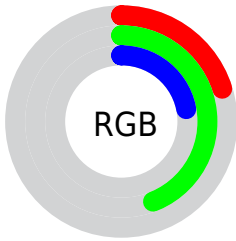
Format	Color
R_{YB}	52, 106, 111
Decimal	3436345
CIE _{Lab}	42.00, -31.65, 24.25
CIE _{LCh}	42, 39.871, 142.542
Yxy	12.5000, 0.3006, 0.4747
Android (android.graphics.Color)	4281626425 (0xFF346F39)
YUV	87.2030, -14.8901, -30.8730
Hunter-Lab	35.3553, -21.9074, 14.8275

Details

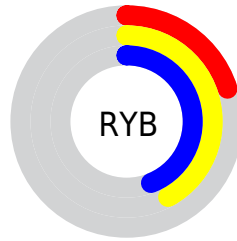
The CIELCh color $42, 39.871, 142.542$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $32, 39.616, 329.646$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $62, 39.822, 142.657$, and $22, 38.785, 140.926$ is the 20% darker color. If you saturate the color by 10%, you get $41, 46.481, 141.376$, and if you desaturate by 10%, it is $43, 32.742, 143.598$.

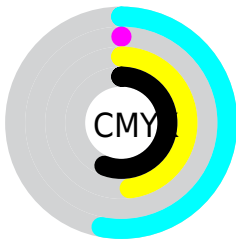
Distribution



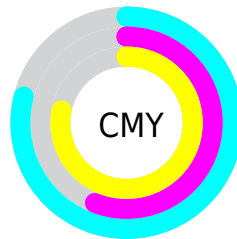
- Red (20%)
- Green (44%)
- Blue (22%)



- Red (20%)
- Yellow (42%)
- Blue (44%)



- Cyan (53%)
- Magenta (0%)
- Yellow (48%)
- Black (56%)





- Cyan (79%)
- Magenta (56%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 39.871, 142.542 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, 39.871, 142.542 by changing the saturation by 10% instead.


 42, 39.871,
142.542


 42, 39.871,
142.542


 100, 39.871,
142.542


 32, 39.871,
142.542

 62, 39.871,
142.542


 22, 39.871,
142.542

 72, 39.871,
142.542

 12, 39.871,
142.542

 82, 39.871,
142.542

 2, 39.871, 142.542

 92, 39.871,
142.542

 0, 39.871, 142.542

 42, 39.871,

 42, 39.871,

142.542

■ 41, 46.481,
141.376

■ 41, 52.367,
140.135

■ 41, 57.312,
138.887

■ 40, 61.112,
137.744

■ 40, 63.169,
137.231

142.542

■ 43, 32.742,
143.598

■ 43, 25.274,
144.530

■ 44, 17.621,
145.343

■ 45, 9.910, 146.050

■ 47, 2.239, 146.714

■ 48, 5.321, 327.116

■ 49, 12.718,
327.581

■ 51, 19.919,
327.970

■ 52, 26.905,

Harmonies

Complementary

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



42, 39.871, 142.542



32, 39.616, 329.646

Rectangle

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



42, 39.871, 142.542



42, 39.871, 192.542



42, 39.871, 322.542



42, 39.871, 12.542

Sweetspot

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



42, 39.872, 142.542



58, 15.252, 145.815



45, 33.758, 109.345



30, 10.383, 145.707



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 39.872, 142.542



53, 58.364, 141.038



43, 26.839, 162.948



23, 4.318, 146.306



43, 66.697, 137.136



85, 115.490, 136.566

Inverse Universe

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



32, 39.616, 329.646



38, 57.369, 330.274



30, 29.289, 354.437



22, 4.327, 327.254



27, 62.055, 331.741



57, 105.598, 331.961

Previews

White Background



This preview shows how the CIELCh color 42, 39.871, 142.542 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 42, 39.871, 142.542 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, 39.871, 142.542

Background



This preview shows how black text looks on a background with the CIELCh color 42, 39.871, 142.542.



This preview shows how white text looks on a background with the CIELCh color 42, 39.871, 142.542.

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, 39.871, 142.542

Protanopia

42, 27.564, 96.007

Deuteranopia

42, 22.875, 75.723



Tritanopia
42, 14.878, 219.543

Trichromacy



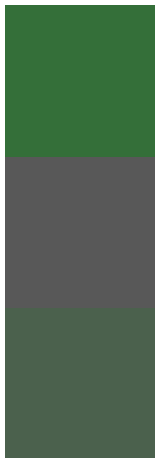
Original Color
42, 39.871, 142.542

Protanomaly
42, 29.594, 120.360

Deuteranomaly
41, 23.807, 112.177

Tritanomaly
42, 19.924, 171.811

Monochromacy



Original Color
42, 39.871, 142.542

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 15.460, 145.592

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 39.871, 142.542 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(52, 111, 57)` looks like.

```
.text, #text, p{  
    color:rgb(52, 111, 57)  
}
```

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(52, 111, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 111, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 39.871, 142.542 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(52, 111, 57) }
```

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

```
.border{ border-color:rgb(52, 111, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 111, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 111, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 111, 57);  
box-shadow:4px 4px 4px 4px rgb(52, 111,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 39.871, 142.542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 111, 57) }
```

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

```
.background{ background-color: rgb(52, 111,  
57) }
```

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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