

Converting Colors

CIELCh(44, 42.198, 141.457)

Have a look what the booklet for
CIELCh(44, 42.198, 141.457)
contains.

CIELCh(44, 42.321, 141.225)	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(44, 42.321, 141.225)

Conversions

Conversions Part 1

Format	Color
Hex	38753A
RGB	56, 117, 58
RGB Percent	22%, 46%, 23%
CMY	0.7808, 0.5416, 0.7729
CMYK	0.52, 0.00, 0.50, 0.54
HSL	122°, 35%, 34%
HSV	122°, 52%, 46%
XYZ	8.7337, 13.8382, 6.2001
YIQ	92.0350, -17.4170, -31.2810

Conversions

Conversions Part 2

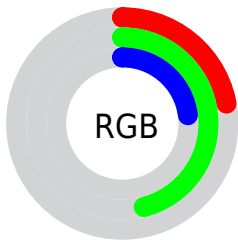
Format	Color
RYB	56, 115, 117
Decimal	3700026
CIELab	44.00, -32.99, 26.50
CIELCh	44, 42.321, 141.225
Yxy	13.8382, 0.3035, 0.4810
Android (android.graphics.Color)	4281890106 (0xFF38753A)
YUV	92.0350, -16.7793, -31.6027
Hunter-Lab	37.1997, -23.1914, 16.1580

Details

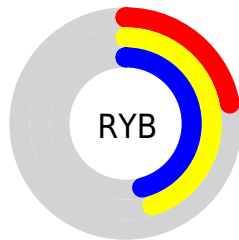
The CIELCh color **44, 42.321, 141.225** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **34, 42.071, 328.003**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 42.654, 140.991**, and **24, 41.962, 140.149** is the 20% darker color. If you saturate the color by 10%, you get **43, 49.389, 140.113**, and if you desaturate by 10%, it is **45, 34.656, 142.249**.

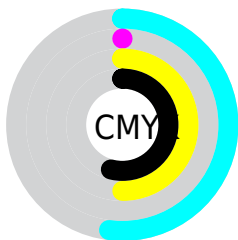
Distribution



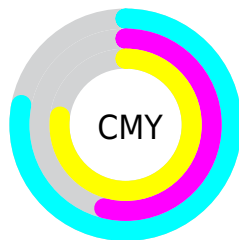
- Red (22%)
- Green (46%)
- Blue (23%)



- Red (22%)
- Yellow (45%)
- Blue (46%)



- Cyan (52%)
- Magenta (0%)
- Yellow (50%)
- Black (54%)



- Cyan (78%)
- Magenta (54%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 42.321, 141.225 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 44, 42.321, 141.225 by changing the saturation by 10% instead.


 44, 42.321,
141.225


 44, 42.321,
141.225


 100, 42.321,
141.225

 34, 42.321,
141.225

 64, 42.321,
141.225


 24, 42.321,
141.225

 74, 42.321,
141.225

 14, 42.321,
141.225

 84, 42.321,
141.225

 4, 42.321, 141.225

 94, 42.321,
141.225

 0, 42.321, 141.225

 44, 42.321,

 44, 42.321,

141.225

■ 43, 49.389,
140.113

■ 43, 55.605,
138.964

■ 43, 60.695,
137.871

■ 42, 64.396,
136.954

■ 42, 66.571,
136.475

141.225

■ 45, 34.656,
142.249

■ 46, 26.609,
143.160

■ 47, 18.359,
143.957

■ 48, 10.049,
144.649

■ 49, 1.788, 145.317

■ 50, 6.345, 325.689

■ 52, 14.296,
326.133

■ 53, 22.029,
326.503

■ 55, 29.527,
326.820

Harmonies

Complementary

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



44, 42.321, 141.225



34, 42.071, 328.003

Rectangle

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



44, 42.321, 141.225



44, 42.321, 191.225



44, 42.321, 321.225



44, 42.321, 11.225

Sweetspot

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



44, 42.322, 141.225



61, 16.478, 144.368



48, 34.558, 106.258



31, 11.065, 144.260



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



44, 42.322, 141.225



56, 61.970, 139.833



45, 29.182, 159.290



24, 4.644, 144.850



44, 68.842, 136.452



86, 117.432, 136.199

Inverse Universe

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



34, 42.071, 328.003



41, 61.103, 328.528



32, 30.978, 350.011



23, 4.652, 325.787



28, 65.475, 329.540



59, 110.852, 329.615

Previews

White Background



This preview shows how the CIE LCh color 44, 42.321, 141.225 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 44, 42.321, 141.225 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 44, 42.321, 141.225

Background



This preview shows how black text looks on a background with the CIELCh color 44, 42.321, 141.225.



This preview shows how white text looks on a background with the CIELCh color 44, 42.321, 141.225.

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


44, 42.321, 141.225

Protanopia

44, 30.100, 96.655

Deuteranopia

44, 25.496, 77.778



Tritanopia
44, 14.867, 219.407

Trichromacy



Original Color
44, 42.321, 141.225

Protanomaly
44, 32.050, 118.988

Deuteranomaly
43, 26.456, 112.355

Tritanomaly
44, 20.774, 169.507

Monochromacy



Original Color
44, 42.321, 141.225

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 15.842, 144.355

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 42.321, 141.225 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(56, 117, 58)` looks like.

```
.text, #text, p{  
    color:rgb(56, 117, 58)  
}
```

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(56, 117, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 117, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 42.321, 141.225 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(56, 117, 58) }
```

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

```
.border{ border-color:rgb(56, 117, 58) }
```

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

Here you see how a box with a 4 pixel rgb(56, 117, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 117, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 117, 58);  
box-shadow:4px 4px 4px 4px rgb(56, 117,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 42.321, 141.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 117, 58) }
```

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

```
.background{ background-color: rgb(56, 117,  
58) }
```

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