

Converting Colors

CIELCh(64, 43.198, 147.113)

Have a look what the booklet for
CIELCh(64, 43.198, 147.113)
contains.

CIELCh(64, 43.160, 147.310)	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(64, 43.160, 147.310)

Conversions

Conversions Part 1

Format	Color
Hex	60AB70
RGB	96, 171, 112
RGB Percent	38%, 67%, 44%
CMY	0.6234, 0.3292, 0.5606
CMYK	0.44, 0.00, 0.34, 0.33
HSL	133°, 31%, 52%
HSV	133°, 44%, 67%
XYZ	22.3260, 32.8017, 20.4955
YIQ	141.8490, -25.7610, -34.2490

Conversions

Conversions Part 2

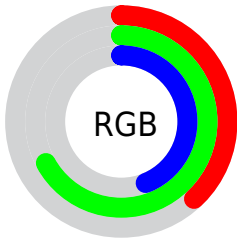
Format	Color
RYB	96, 158, 171
Decimal	6335344
CIELab	64.00, -36.32, 23.31
CIELCh	64, 43.160, 147.310
Yxy	32.8017, 0.2952, 0.4338
Android (android.graphics.Color)	4284525424 (0xFF60AB70)
YUV	141.8490, -14.7156, -40.2096
Hunter-Lab	57.2727, -30.6447, 18.8735

Details

The CIELCh color **64, 43.160, 147.310** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **51, 43.268, 333.895**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 43.325, 147.251**, and **44, 43.284, 147.077** is the 20% darker color. If you saturate the color by 10%, you get **63, 52.290, 146.092**, and if you desaturate by 10%, it is **65, 33.568, 148.372**.

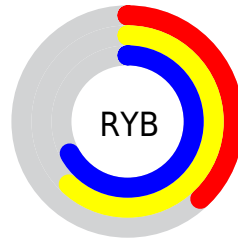
Distribution



Red (38%)

Green (67%)

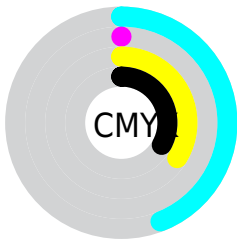
Blue (44%)



Red (38%)

Yellow (62%)

Blue (67%)

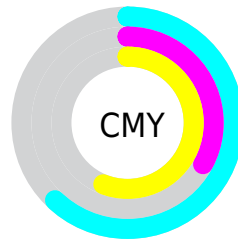


Cyan (44%)

Magenta (0%)

Yellow (34%)

Black (33%)



Cyan (62%)


Magenta (33%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 43.160, 147.310 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 64, 43.160, 147.310 by changing the saturation by 10% instead.


 64, 43.160,
147.310


 64, 43.160,
147.310


 100, 43.160,
147.310


 54, 43.160,
147.310


 84, 43.160,
147.310

 44, 43.160,
147.310

 94, 43.160,
147.310

 34, 43.160,
147.310

 24, 43.160,
147.310

 14, 43.160,
147.310

 4, 43.160, 147.310

 0, 43.160, 147.310

■ 64, 43.160,
147.310

■ 64, 43.160,
147.310

■ 63, 52.290,
146.092

■ 65, 33.568,
148.372

■ 62, 60.748,
144.712

■ 66, 23.704,
149.293

■ 62, 68.323,
143.183

■ 68, 13.734,
150.094

■ 61, 74.821,
141.544

■ 69, 3.791, 150.832

■ 61, 80.083,
139.872

■ 71, 6.023, 331.308

■ 61, 82.749,
138.954

■ 73, 15.634,
331.855

■ 75, 24.995,
332.318

■ 77, 34.076,
332.724

■ 79, 42.863,
333.084

Harmonies

Complementary

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



64, 43.160, 147.310



51, 43.268, 333.895

Rectangle

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



64, 43.160, 147.310



64, 43.160, 197.310



64, 43.160, 327.310



64, 43.160, 17.310

Sweetspot

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



64, 43.161, 147.310



86, 15.924, 150.140



67, 40.581, 115.071



46, 11.242, 149.977



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 43.161, 147.310



80, 63.581, 146.081



65, 29.121, 171.435



36, 5.663, 150.427



54, 74.965, 139.140



6, 12.273, 149.639

Inverse Universe

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



51, 43.268, 333.895



61, 63.334, 334.639



50, 33.156, 1.372



34, 5.682, 331.544



34, 66.271, 338.768



2, 11.300, 333.837

Previews

White Background



This preview shows how the CIELCh color 64, 43.160, 147.310 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 64, 43.160, 147.310 looks on a black 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 ✓ Pass

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

CIELCh 64, 43.160, 147.310

Background



This preview shows how black text looks on a background with the CIELCh color 64, 43.160, 147.310.



This preview shows how white text looks on a background with the CIELCh color 64, 43.160, 147.310.

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
64, 43.160, 147.310

Protanopia
64, 27.600, 95.479

Deuteranopia
64, 22.483, 69.442



Tritanopia
64, 18.718, 221.033

Trichromacy



Original Color
64, 43.160, 147.310

Protanomaly
63, 29.608, 122.550

Deuteranomaly
63, 22.774, 113.983

Tritanomaly
64, 22.778, 178.781

Monochromacy



Original Color
64, 43.160, 147.310

Achromatopsia
59, 0.008, 296.813

Achromatomaly
61, 16.582, 149.797

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 43.160, 147.310 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(96, 171, 112)` looks like.

```
.text, #text, p{  
    color:rgb(96, 171, 112)  
}
```

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(96, 171, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 171, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 43.160, 147.310 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(96, 171, 112) }
```

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

```
.border{ border-color:rgb(96, 171, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 171, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 171, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 171, 112);  
box-shadow:4px 4px 4px 4px rgb(96, 171,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 43.160, 147.310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 171, 112) }
```

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

```
.background{ background-color: rgb(96, 171,  
112) }
```

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