

Converting Colors

CIELCh(43, 40.454, 86.883)

Have a look what the booklet for
CIELCh(43, 40.454, 86.883) contains.

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Color

CIELCh(43, 40.430, 87.156)

Conversions

Conversions Part 1

Format	Color
Hex	7B631F
RGB	123, 99, 31
RGB Percent	48%, 39%, 12%
CMY	0.5188, 0.6128, 0.8795
CMYK	0.00, 0.20, 0.75, 0.52
HSL	44°, 60%, 30%
HSV	44°, 75%, 48%
XYZ	12.8043, 13.1578, 3.1418
YIQ	98.4240, 36.1320, -16.0600

Conversions

Conversions Part 2

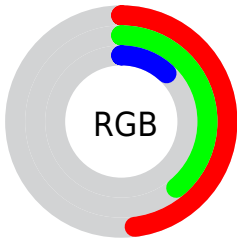
Format	Color
RYB	63, 123, 31
Decimal	8086303
CIELab	43.00, 2.01, 40.38
CIELCh	43, 40.430, 87.156
Yxy	13.1578, 0.4400, 0.4521
Android (android.graphics.Color)	4286276383 (0xFF7B631F)
YUV	98.4240, -33.2400, 21.5532
Hunter-Lab	36.2736, -0.4696, 20.2561

Details

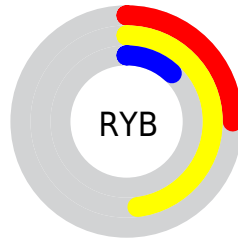
The CIELCh color **43, 40.430, 87.156** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **25, 44.571, 291.443**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **63, 40.131, 86.892**, and **23, 32.457, 85.259** is the 20% darker color. If you saturate the color by 10%, you get **42, 44.441, 85.685**, and if you desaturate by 10%, it is **44, 35.612, 88.533**.

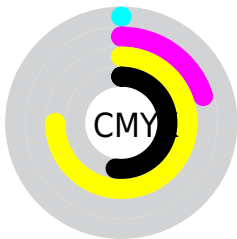
Distribution



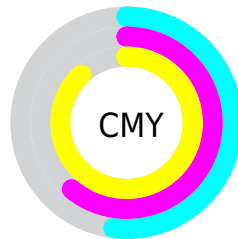
- Red (48%)
- Green (39%)
- Blue (12%)



- Red (25%)
- Yellow (48%)
- Blue (12%)



- Cyan (0%)
- Magenta (20%)
- Yellow (75%)
- Black (52%)



- Cyan (52%)
- Magenta (61%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 40.430, 87.156 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 43, 40.430, 87.156 by changing the saturation by 10% instead.

■ 43, 40.430, 87.156

■ 43, 40.430, 87.156

■ 100, 40.430,
87.156

■ 33, 40.430, 87.156

■ 63, 40.430, 87.156

■ 23, 40.430, 87.156

■ 73, 40.430, 87.156

■ 13, 40.430, 87.156

■ 83, 40.430, 87.156

■ 3, 40.430, 87.156

■ 93, 40.430, 87.156

■ 0, 40.430, 87.156

■ 43, 40.430, 87.156

■ 43, 40.430, 87.156

■ 42, 44.441, 85.685

■ 44, 35.612, 88.533

■ 41, 47.308, 84.052

■ 45, 30.342, 89.850

41, 48.757, 83.270

46, 24.850, 91.132

47, 19.276, 92.384

48, 13.699, 93.605

50, 8.161, 94.789

51, 2.684, 95.909

52, 2.721, 277.121

53, 8.052, 278.158

Harmonies

Complementary

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



43, 40.430, 87.156



25, 44.571, 291.443

Rectangle

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



43, 40.430, 87.156



43, 40.430, 137.156



43, 40.430, 267.156



43, 40.430, 317.156

Sweetspot

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



43, 40.430, 87.159



63, 15.033, 93.894



28, 41.864, 11.224



32, 10.192, 93.633



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



43, 40.430, 87.159



54, 56.686, 84.503



48, 49.690, 115.398



25, 3.053, 95.463



41, 49.393, 83.227



80, 82.822, 81.985

Inverse Universe

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



25, 44.571, 291.443



28, 68.183, 296.837



21, 60.271, 306.114



24, 3.073, 277.619



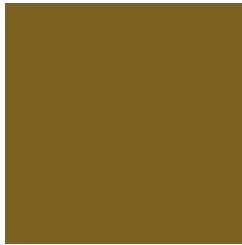
18, 62.042, 299.088



39, 109.981, 300.755

Previews

White Background



This preview shows how the CIELCh color 43, 40.430, 87.156 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 43, 40.430, 87.156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

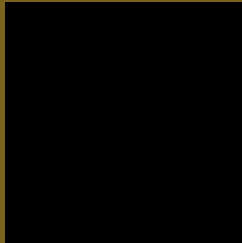
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 40.430, 87.156

Background



This preview shows how black text looks on a background with the CIELCh color 43, 40.430, 87.156.



This preview shows how white text looks on a background with the CIELCh color 43, 40.430, 87.156.

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


43, 40.430, 87.156

Protanopia

43, 39.754, 95.757

Deuteranopia

43, 40.522, 82.034



Tritanopia
43, 15.549, 6.094

Trichromacy



Original Color
43, 40.430, 87.156

Protanomaly
43, 39.715, 92.850

Deuteranomaly
43, 40.311, 84.195

Tritanomaly
43, 19.047, 59.182

Monochromacy



Original Color
43, 40.430, 87.156

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 14.998, 92.070

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 40.430, 87.156 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(123, 99, 31)` looks like.

```
.text, #text, p{  
    color:rgb(123, 99, 31)  
}
```

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(123, 99, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 99, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 40.430, 87.156 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(123, 99, 31) }
```

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

```
.border{ border-color:rgb(123, 99, 31) }
```

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

Here you see how a box with a 4 pixel rgb(123, 99, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 99, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 99, 31);  
box-shadow:4px 4px 4px 4px rgb(123, 99,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 40.430, 87.156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 99, 31) }
```

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

```
.background{ background-color: rgb(123, 99,  
31) }
```

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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