

Converting Colors

CIELCh(41, 38.128, 100.711)

Have a look what the booklet for
CIELCh(41, 38.128, 100.711)
contains.

CIELCh(41, 38.430, 100.644)	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(41, 38.430, 100.644)

Conversions

Conversions Part 1

Format	Color
Hex	68631F
RGB	104, 99, 31
RGB Percent	41%, 39%, 12%
CMY	0.5938, 0.6133, 0.8800
CMYK	0.00, 0.05, 0.70, 0.59
HSL	56°, 54%, 26%
HSV	56°, 70%, 41%
XYZ	10.3274, 11.8645, 3.0150
YIQ	92.7430, 24.8080, -20.0880

Conversions

Conversions Part 2

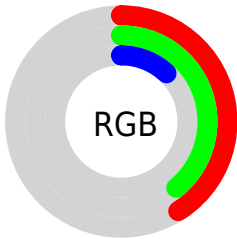
Format	Color
R_{YB}	36, 104, 31
Decimal	6841119
CIE _{Lab}	41.00, -7.10, 37.77
CIE _{LCh}	41, 38.430, 100.644
Yxy	11.8645, 0.4097, 0.4707
Android (android.graphics.Color)	4285031199 (0xFF68631F)
YUV	92.7430, -30.4393, 9.8724
Hunter-Lab	34.4449, -6.7599, 18.9217

Details

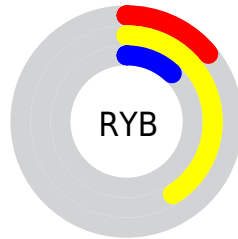
The CIELCh color $41, 38.430, 100.644$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $18, 46.287, 298.699$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $61, 38.810, 101.172$, and $21, 30.415, 101.389$ is the 20% darker color. If you saturate the color by 10%, you get $41, 42.376, 99.864$, and if you desaturate by 10%, it is $41, 33.757, 101.508$.

Distribution



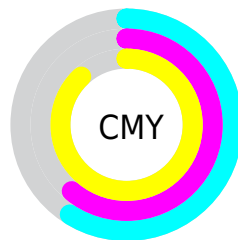
- Red (41%)
- Green (39%)
- Blue (12%)



- Red (14%)
- Yellow (41%)
- Blue (12%)



- Cyan (0%)
- Magenta (5%)
- Yellow (70%)
- Black (59%)



- Cyan (59%)
- Magenta (61%)
- Yellow (88%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 38.430, 100.644 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 41, 38.430, 100.644 by changing the saturation by 10% instead.


 41, 38.430,
100.644


 41, 38.430,
100.644


 100, 38.430,
100.644

 31, 38.430,
100.644

 61, 38.430,
100.644

 21, 38.430,
100.644

 71, 38.430,
100.644


 11, 38.430,
100.644


 81, 38.430,
100.644

 1, 38.430, 100.644

 91, 38.430,
100.644

 0, 38.430, 100.644

 41, 38.430,

 41, 38.430,

100.644

100.644

■ 41, 42.376, 99.864

■ 41, 33.757,
101.508

■ 40, 45.307, 99.178

■ 42, 28.604,
102.427

■ 40, 47.710, 98.575

■ 42, 23.154,
103.382

■ 42, 17.528,
104.355

■ 43, 11.806,
105.331

■ 43, 6.037, 106.296

■ 44, 0.255, 107.033

■ 44, 5.522, 288.194

■ 45, 11.278,

Harmonies

Complementary

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



41, 38.430, 100.644



18, 46.287, 298.699

Rectangle

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



41, 38.430, 100.644



41, 38.430, 150.644



41, 38.430, 280.644



41, 38.430, 330.644

Sweetspot

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



41, 38.430, 100.647



55, 15.080, 105.219



24, 35.993, 23.462



28, 10.282, 105.026



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



41, 38.430, 100.647



52, 53.880, 99.374



40, 43.189, 123.250



21, 3.202, 106.443



44, 51.274, 98.522



89, 88.677, 98.240

Inverse Universe

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



18, 46.287, 298.699



19, 70.253, 302.542



20, 48.953, 310.045



19, 3.258, 288.204



12, 70.513, 304.860



31, 125.823, 305.661

Previews

White Background



This preview shows how the CIELCh color 41, 38.430, 100.644 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 41, 38.430, 100.644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

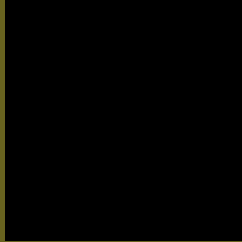
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 38.430, 100.644

Background



This preview shows how black text looks on a background with the CIELCh color 41, 38.430, 100.644.



This preview shows how white text looks on a background with the CIELCh color 41, 38.430, 100.644.

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


41, 38.430, 100.644

Protanopia

41, 38.344, 96.113

Deuteranopia

41, 37.547, 81.891



Tritanopia
41, 8.332, 350.031

Trichromacy



Original Color
41, 38.430, 100.644

Protanomaly
41, 38.576, 98.386

Deuteranomaly
41, 37.329, 88.199

Tritanomaly
41, 13.530, 82.169

Monochromacy



Original Color
41, 38.430, 100.644

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 14.537, 104.285

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 38.430, 100.644 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(104, 99, 31)` looks like.

```
.text, #text, p{  
    color:rgb(104, 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(104, 99, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 99, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 38.430, 100.644 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(104, 99, 31) }
```

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

```
.border{ border-color:rgb(104, 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(104, 99, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 99, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 99, 31);  
box-shadow:4px 4px 4px 4px rgb(104, 99,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 38.430, 100.644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 99, 31) }
```

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

```
.background{ background-color: rgb(104, 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](#).

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