

Converting Colors

CIELCh(41, 38.901, 106.773)

Have a look what the booklet for
CIELCh(41, 38.901, 106.773)
contains.

CIELCh(41, 39.277, 107.115)	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, 39.277, 107.115)

Conversions

Conversions Part 1

Format	Color
Hex	61651F
RGB	97, 101, 31
RGB Percent	38%, 40%, 12%
CMY	0.6209, 0.6052, 0.8797
CMYK	0.04, 0.00, 0.70, 0.61
HSL	63°, 53%, 26%
HSV	63°, 70%, 39%
XYZ	9.7590, 11.8645, 3.0497
YIQ	91.8240, 20.0860, -22.6180

Conversions

Conversions Part 2

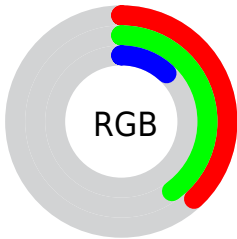
Format	Color
R_{YB}	31, 101, 35
Decimal	6382879
CIE _{Lab}	41.00, -11.56, 37.54
CIE _{LCh}	41, 39.277, 107.115
Yxy	11.8645, 0.3955, 0.4809
Android (android.graphics.Color)	4284572959 (0xFF61651F)
YUV	91.8240, -29.9862, 4.5394
Hunter-Lab	34.4449, -9.7058, 18.8620

Details

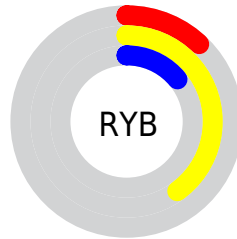
The CIELCh color **41, 39.277, 107.115** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **17, 47.862, 301.750**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **61, 39.622, 106.995**, and **21, 30.980, 108.551** is the 20% darker color. If you saturate the color by 10%, you get **41, 43.339, 106.655**, and if you desaturate by 10%, it is **41, 34.486, 107.724**.

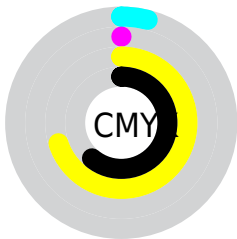
Distribution



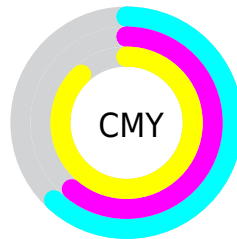
- Red (38%)
- Green (40%)
- Blue (12%)



- Red (12%)
- Yellow (40%)
- Blue (14%)



- Cyan (4%)
- Magenta (0%)
- Yellow (70%)
- Black (61%)





- Cyan (62%)
- Magenta (61%)
- Yellow (88%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 39.277, 107.115 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, 39.277, 107.115 by changing the saturation by 10% instead.


 41, 39.277,
107.115


 41, 39.277,
107.115


 100, 39.277,
107.115


 31, 39.277,
107.115

 61, 39.277,
107.115


 21, 39.277,
107.115

 71, 39.277,
107.115


 11, 39.277,
107.115


 81, 39.277,
107.115

 1, 39.277, 107.115

 91, 39.277,
107.115

 0, 39.277, 107.115

 41, 39.277,

 41, 39.277,

107.115

■ 41, 43.339,
106.655

■ 41, 46.418,
106.385

■ 41, 48.984,
106.205

■ 41, 49.112,
106.195

107.115

■ 41, 34.486,
107.724

■ 41, 29.193,
108.431

■ 42, 23.571,
109.203

■ 42, 17.743,
110.011

■ 42, 11.790,
110.835

■ 42, 5.767, 111.658

■ 43, 0.291, 292.564

■ 43, 6.358, 293.271

■ 43, 12.416,

Harmonies

Complementary

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



41, 39.277, 107.115



17, 47.862, 301.750

Rectangle

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



41, 39.277, 107.115



41, 39.277, 157.115



41, 39.277, 287.115



41, 39.277, 337.115

Sweetspot

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



41, 39.277, 107.117



54, 15.634, 110.665



24, 34.874, 31.450



28, 10.656, 110.507



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



41, 39.277, 107.117



52, 54.325, 106.472



39, 43.351, 128.039



21, 3.434, 111.706



46, 53.878, 106.245



92, 93.461, 106.450

Inverse Universe

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



17, 47.862, 301.750



18, 70.522, 304.421



21, 47.154, 313.719



19, 3.503, 293.211



11, 73.865, 306.585



31, 128.455, 306.412

Previews

White Background



This preview shows how the CIELCh color 41, 39.277, 107.115 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, 39.277, 107.115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

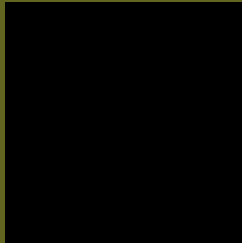
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 39.277, 107.115

Background



This preview shows how black text looks on a background with the CIELCh color 41, 39.277, 107.115.



This preview shows how white text looks on a background with the CIELCh color 41, 39.277, 107.115.

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

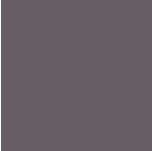
41, 39.277, 107.115

Protanopia

41, 38.344, 96.113

Deuteranopia

41, 37.087, 81.696



Tritanopia
41, 5.684, 331.801

Trichromacy



Original Color
41, 39.277, 107.115

Protanomaly
41, 38.471, 99.857

Deuteranomaly
41, 36.720, 91.245

Tritanomaly
41, 12.867, 98.084

Monochromacy



Original Color
41, 39.277, 107.115

Achromatopsia
39, 0.005, 296.813

Achromatomaly
39, 15.710, 111.045

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 39.277, 107.115 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(97, 101, 31)` looks like.

```
.text, #text, p{  
    color:rgb(97, 101, 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(97, 101, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 101, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 39.277, 107.115 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(97, 101, 31) }
```

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

```
.border{ border-color:rgb(97, 101, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 101, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 101, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 101, 31);  
box-shadow:4px 4px 4px 4px rgb(97, 101,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 39.277, 107.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 101, 31) }
```

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

```
.background{ background-color: rgb(97, 101,  
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