

Converting Colors

CIELCh(42, 39.021, 87.933)

Have a look what the booklet for
CIELCh(42, 39.021, 87.933) contains.

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Color

CIELCh(42, 39.247, 88.151)

Conversions

Conversions Part 1

Format	Color
Hex	77611F
RGB	119, 97, 31
RGB Percent	47%, 38%, 12%
CMY	0.5345, 0.6206, 0.8795
CMYK	0.00, 0.19, 0.74, 0.53
HSL	45°, 59%, 29%
HSV	45°, 74%, 47%
XYZ	12.0623, 12.5000, 3.0550
YIQ	96.0540, 34.2980, -15.8620

Conversions

Conversions Part 2

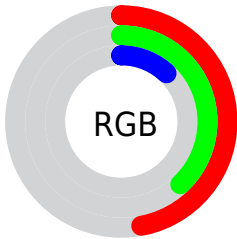
Format	Color
RYB	60, 119, 31
Decimal	7823647
CIELab	42.00, 1.27, 39.23
CIELCh	42, 39.247, 88.151
Yxy	12.5000, 0.4368, 0.4526
Android (android.graphics.Color)	4286013727 (0xFF77611F)
YUV	96.0540, -32.0716, 20.1236
Hunter-Lab	35.3553, -0.9722, 19.6256

Details

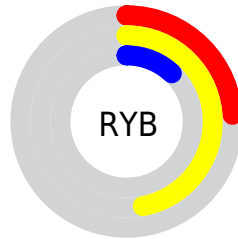
The CIELCh color **42, 39.247, 88.151** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **24, 43.487, 291.723**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 39.396, 87.883**, and **22, 31.281, 85.658** is the 20% darker color. If you saturate the color by 10%, you get **41, 43.238, 86.734**, and if you desaturate by 10%, it is **43, 34.500, 89.491**.

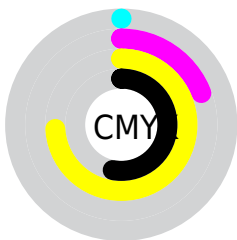
Distribution



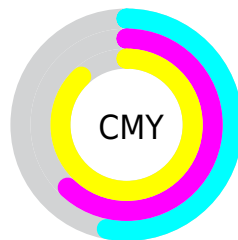
- Red (47%)
- Green (38%)
- Blue (12%)



- Red (24%)
- Yellow (47%)
- Blue (12%)



- Cyan (0%)
- Magenta (19%)
- Yellow (74%)
- Black (53%)



- Cyan (53%)
- Magenta (62%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 39.247, 88.151 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 42, 39.247, 88.151 by changing the saturation by 10% instead.

42, 39.247, 88.151

42, 39.247, 88.151

100, 39.247,
88.151

32, 39.247, 88.151

62, 39.247, 88.151

22, 39.247, 88.151

72, 39.247, 88.151

12, 39.247, 88.151

82, 39.247, 88.151

2, 39.247, 88.151

92, 39.247, 88.151

0, 39.247, 88.151

42, 39.247, 88.151

42, 39.247, 88.151

41, 43.238, 86.734

43, 34.500, 89.491

40, 46.119, 85.175

44, 29.327, 90.781

40, 47.792, 84.297

45, 23.943, 92.040

46, 18.478, 93.272

47, 13.006, 94.475

48, 7.569, 95.641

49, 2.186, 96.737

51, 3.131, 277.933

52, 8.379, 278.961

Harmonies

Complementary

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



42, 39.247, 88.151



24, 43.487, 291.723

Rectangle

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



42, 39.247, 88.151



42, 39.247, 138.151



42, 39.247, 268.151



42, 39.247, 318.151

Sweetspot

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



42, 39.247, 88.154



61, 14.797, 94.657



27, 40.449, 12.187



31, 10.031, 94.406



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



42, 39.247, 88.154



53, 55.228, 85.626



47, 48.157, 116.176



24, 2.980, 96.215



41, 48.840, 84.228



80, 82.450, 83.013

Inverse Universe

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



24, 43.487, 291.723



27, 66.615, 296.979



20, 57.949, 306.355



23, 3.002, 278.335



17, 61.904, 299.501



39, 110.603, 301.173

Previews

White Background



This preview shows how the CIELCh color 42, 39.247, 88.151 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 42, 39.247, 88.151 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 42, 39.247, 88.151

Background



This preview shows how black text looks on a background with the CIELCh color 42, 39.247, 88.151.



This preview shows how white text looks on a background with the CIELCh color 42, 39.247, 88.151.

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

42, 39.247, 88.151

Protanopia

42, 39.231, 96.329

Deuteranopia

42, 39.061, 81.929



Tritanopia
42, 14.764, 5.079

Trichromacy



Original Color
42, 39.247, 88.151

Protanomaly
42, 39.169, 93.374

Deuteranomaly
42, 38.850, 84.182

Tritanomaly
42, 17.962, 59.685

Monochromacy



Original Color
42, 39.247, 88.151

Achromatopsia
41, 0.006, 296.813

Achromatomaly
41, 14.926, 93.712

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 39.247, 88.151 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(119, 97, 31)` looks like.

```
.text, #text, p{  
    color:rgb(119, 97, 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(119, 97, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 97, 31) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 39.247, 88.151 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(119, 97, 31) }
```

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

```
.border{ border-color:rgb(119, 97, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 97, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 97, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 97, 31);  
box-shadow:4px 4px 4px 4px rgb(119, 97,  
31) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 39.247, 88.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 97, 31) }
```

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

```
.background{ background-color: rgb(119, 97,  
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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