

Converting Colors

CIELCh(51, 49.421, 69.205)

Have a look what the booklet for
CIELCh(51, 49.421, 69.205) contains.

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Color

CIELCh(51, 49.371, 69.275)

Conversions

Conversions Part 1

Format	Color
Hex	A86D28
RGB	168, 109, 40
RGB Percent	66%, 43%, 16%
CMY	0.3431, 0.5742, 0.8448
CMYK	0.00, 0.35, 0.76, 0.34
HSL	32°, 62%, 41%
HSV	32°, 76%, 66%
XYZ	21.8433, 19.2686, 4.5378
YIQ	118.7750, 57.3130, -8.9510

Conversions

Conversions Part 2

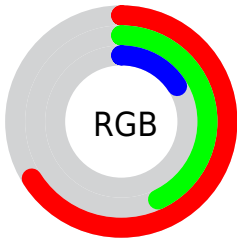
Format	Color
RYB	149, 168, 40
Decimal	11037992
CIELab	51.00, 17.47, 46.18
CIELCh	51, 49.371, 69.275
Yxy	19.2686, 0.4785, 0.4221
Android (android.graphics.Color)	4289228072 (0xFFA86D28)
YUV	118.7750, -38.8361, 43.1703
Hunter-Lab	43.8960, 12.0063, 24.5981

Details

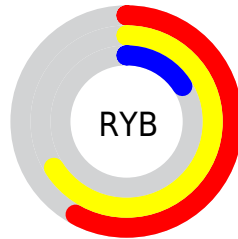
The CIELCh color **51, 49.371, 69.275** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **41, 42.923, 277.631**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 49.238, 69.517**, and **31, 45.076, 66.599** is the 20% darker color. If you saturate the color by 10%, you get **49, 55.254, 67.423**, and if you desaturate by 10%, it is **53, 42.727, 70.837**.

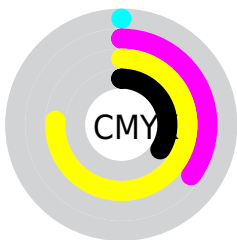
Distribution



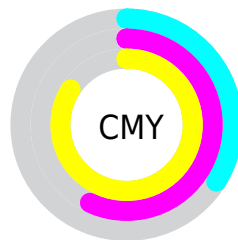
- Red (66%)
- Green (43%)
- Blue (16%)



- Red (58%)
- Yellow (66%)
- Blue (16%)



- Cyan (0%)
- Magenta (35%)
- Yellow (76%)
- Black (34%)



- Cyan (34%)
- Magenta (57%)
- Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 49.371, 69.275 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 51, 49.371, 69.275 by changing the saturation by 10% instead.

 51, 49.371, 69.275

 51, 49.371, 69.275

 100, 49.371,
69.275

 41, 49.371, 69.275

 71, 49.371, 69.275

 31, 49.371, 69.275

 81, 49.371, 69.275

 21, 49.371, 69.275

 91, 49.371, 69.275

 11, 49.371, 69.275

 1, 49.371, 69.275

 0, 49.371, 69.275

 51, 49.371, 69.275

 51, 49.371, 69.275

 49, 55.254, 67.423

 53, 42.727, 70.837

 47, 59.702, 65.044

 55, 35.840, 72.257

47, 61.270, 64.225

57, 28.990, 73.613

60, 22.310, 74.936

62, 15.859, 76.234

65, 9.650, 77.501

67, 3.680, 78.703

70, 2.067, 260.144

72, 7.610, 261.219

Harmonies

Complementary

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



51, 49.371, 69.275



41, 42.923, 277.631

Rectangle

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



51, 49.371, 69.275



51, 49.371, 119.275



51, 49.371, 249.275



51, 49.371, 299.275

Sweetspot

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



51, 49.370, 69.278



80, 16.957, 76.613



39, 55.613, 356.441



41, 11.913, 76.166



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



51, 49.370, 69.278



61, 71.030, 65.735



66, 62.900, 105.374



34, 3.301, 78.367



41, 55.836, 64.632



4, 5.631, 71.566

Inverse Universe

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



41, 42.923, 277.631



47, 63.954, 284.765



26, 80.268, 303.321



34, 3.250, 260.828



30, 51.067, 286.884



2, 6.299, 265.749

Previews

White Background



This preview shows how the CIELCh color 51, 49.371, 69.275 looks on a white 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

Black Background



This preview shows how the CIELCh color 51, 49.371, 69.275 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 × Fail

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

CIELCh 51, 49.371, 69.275

Background



This preview shows how black text looks on a background with the CIELCh color 51, 49.371, 69.275.



This preview shows how white text looks on a background with the CIELCh color 51, 49.371, 69.275.

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

51, 49.371, 69.275

Protanopia

51, 43.802, 95.733

Deuteranopia

51, 47.311, 82.042



Tritanopia
51, 30.124, 15.833

Trichromacy



Original Color
51, 49.371, 69.275

Protanomaly
51, 44.238, 85.497

Deuteranomaly
51, 47.616, 77.137

Tritanomaly
51, 33.045, 42.730

Monochromacy



Original Color
51, 49.371, 69.275

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 17.937, 76.608

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 49.371, 69.275 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(168, 109, 40)` looks like.

```
.text, #text, p{  
    color:rgb(168, 109, 40)  
}
```

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(168, 109, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 109, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 49.371, 69.275 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(168, 109, 40) }
```

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

```
.border{ border-color:rgb(168, 109, 40) }
```

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

Here you see how a box with a 4 pixel rgb(168, 109, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 109, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 109, 40);  
box-shadow:4px 4px 4px 4px rgb(168, 109,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 49.371, 69.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 109, 40) }
```

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

```
.background{ background-color: rgb(168,  
109, 40) }
```

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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