

Converting Colors

CIELCh(49, 50.928, 95.635)

Have a look what the booklet for
CIELCh(49, 50.928, 95.635) contains.

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Color

CIELCh(49, 51.026, 95.691)

Conversions

Conversions Part 1

Format	Color
Hex	837512
RGB	131, 117, 18
RGB Percent	51%, 46%, 7%
CMY	0.4862, 0.5411, 0.9293
CMYK	0.00, 0.11, 0.86, 0.49
HSL	53°, 76%, 29%
HSV	53°, 86%, 51%
XYZ	15.8329, 17.5941, 3.1343
YIQ	109.9000, 40.1230, -27.8210

Conversions

Conversions Part 2

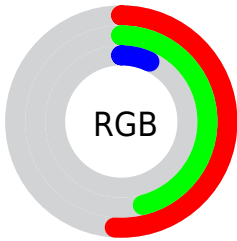
Format	Color
R_{YB}	34, 131, 18
Decimal	8615186
CIE Lab	49.00, -5.06, 50.77
CIE LCh	49, 51.026, 95.691
Yxy	17.5941, 0.4331, 0.4812
Android (android.graphics.Color)	4286805266 (0xFF837512)
YUV	109.9000, -45.3067, 18.5047
Hunter-Lab	41.9453, -6.0268, 24.9314

Details

The CIELCh color **49, 51.026, 95.691** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **19, 65.560, 301.012**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 50.972, 95.906**, and **29, 38.101, 95.610** is the 20% darker color. If you saturate the color by 10%, you get **48, 53.509, 94.772**, and if you desaturate by 10%, it is **50, 47.196, 96.649**.

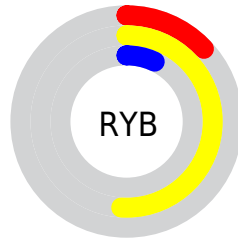
Distribution



Red (51%)

Green (46%)

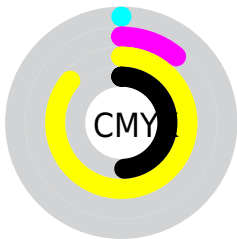
Blue (7%)



Red (13%)

Yellow (51%)

Blue (7%)

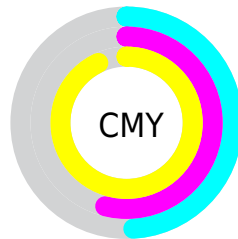


Cyan (0%)

Magenta (11%)

Yellow (86%)

Black (49%)



Cyan (49%)

Magenta (54%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 51.026, 95.691 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 49, 51.026, 95.691 by changing the saturation by 10% instead.

■ 49, 51.026, 95.691 ■ 49, 51.026, 95.691

■ 100, 51.026, 95.691 ■ 39, 51.026, 95.691

■ 69, 51.026, 95.691 ■ 29, 51.026, 95.691

■ 79, 51.026, 95.691 ■ 19, 51.026, 95.691

■ 89, 51.026, 95.691 ■ 9, 51.026, 95.691

■ 99, 51.026, 95.691 ■ 0, 51.026, 95.691

■ 49, 51.026, 95.691 ■ 49, 51.026, 95.691

■ 48, 53.509, 94.772 ■ 50, 47.196, 96.649

■ 48, 54.395, 94.437 ■ 50, 42.237, 97.646

■ 51, 36.529, 98.680

■ 51, 30.363, 99.739

■ 52, 23.938,
100.810

■ 53, 17.378,
101.880

■ 53, 10.759,
102.937

■ 54, 4.129, 103.963

■ 55, 2.485, 285.029

Harmonies

Complementary

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



49, 51.026, 95.691



19, 65.560, 301.012

Rectangle

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



49, 51.026, 95.691



49, 51.026, 145.691



49, 51.026, 275.691



49, 51.026, 325.691

Sweetspot

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



49, 51.026, 95.693



67, 21.384, 101.843



28, 51.666, 26.458



35, 14.602, 101.529



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 51.026, 95.693



62, 65.941, 94.221



50, 59.113, 121.564



28, 3.767, 103.672



48, 54.110, 94.444



1, 0.904, 104.616

Inverse Universe

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



19, 65.560, 301.012



22, 92.597, 304.379



20, 70.803, 309.501



26, 3.826, 285.618



15, 74.614, 303.904



0, 0.904, 284.619

Previews

White Background



This preview shows how the CIELCh color 49, 51.026, 95.691 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 49, 51.026, 95.691 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 49, 51.026, 95.691

Background



This preview shows how black text looks on a background with the CIELCh color 49, 51.026, 95.691.



This preview shows how white text looks on a background with the CIELCh color 49, 51.026, 95.691.

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


49, 51.026, 95.691

Protanopia

49, 51.026, 95.691

Deuteranopia

49, 50.338, 83.080



Tritanopia
49, 12.840, 359.729

Trichromacy



Original Color
49, 51.026, 95.691

Protanomaly
49, 51.026, 95.691

Deuteranomaly
49, 50.278, 87.681

Tritanomaly
49, 21.089, 77.900

Monochromacy



Original Color
49, 51.026, 95.691

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 21.112, 101.115

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 51.026, 95.691 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(131, 117, 18)` looks like.

```
.text, #text, p{  
    color:rgb(131, 117, 18)  
}
```

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(131, 117, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 117, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 51.026, 95.691 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(131, 117, 18) }
```

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

```
.border{ border-color:rgb(131, 117, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 117, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 117, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 117, 18);  
box-shadow:4px 4px 4px 4px rgb(131, 117,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 51.026, 95.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 117, 18) }
```

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

```
.background{ background-color: rgb(131,  
117, 18) }
```

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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