

Converting Colors

CIELCh(49, 47.028, 96.248)

Have a look what the booklet for
CIELCh(49, 47.028, 96.248) contains.

CIELCh(49, 47.001, 96.195)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 47.001, 96.195)

Conversions

Conversions Part 1

Format	Color
Hex	82751E
RGB	130, 117, 30
RGB Percent	51%, 46%, 12%
CMY	0.4898, 0.5408, 0.8819
CMYK	0.00, 0.10, 0.77, 0.49
HSL	52°, 62%, 31%
HSV	52°, 77%, 51%
XYZ	15.8308, 17.5941, 3.7971
YIQ	110.9690, 35.6750, -24.3010

Conversions

Conversions Part 2

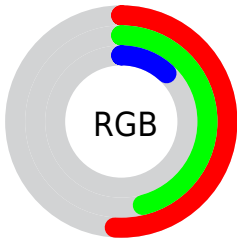
Format	Color
R_{YB}	45, 130, 30
Decimal	8549662
CIE _{Lab}	49.00, -5.07, 46.73
CIE _{LCh}	49, 47.001, 96.195
Yxy	17.5941, 0.4253, 0.4727
Android (android.graphics.Color)	4286739742 (0xFF82751E)
YUV	110.9690, -39.9177, 16.6902
Hunter-Lab	41.9453, -6.0357, 23.9944

Details

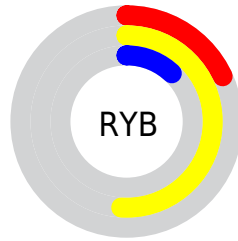
The CIELCh color **49, 47.001, 96.195** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **22, 57.250, 298.363**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 47.182, 96.175**, and **29, 38.025, 96.412** is the 20% darker color. If you saturate the color by 10%, you get **48, 50.737, 95.219**, and if you desaturate by 10%, it is **50, 42.127, 97.211**.

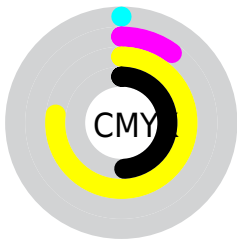
Distribution



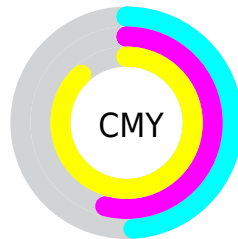
- Red (51%)
- Green (46%)
- Blue (12%)



- Red (18%)
- Yellow (51%)
- Blue (12%)



- Cyan (0%)
- Magenta (10%)
- Yellow (77%)
- Black (49%)





















- Cyan (49%)
- Magenta (54%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 47.001, 96.195 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, 47.001, 96.195 by changing the saturation by 10% instead.

 49, 47.001, 96.195	 49, 47.001, 96.195
 100, 47.001, 96.195	 39, 47.001, 96.195
 69, 47.001, 96.195	 29, 47.001, 96.195
 79, 47.001, 96.195	 19, 47.001, 96.195
 89, 47.001, 96.195	 9, 47.001, 96.195
 99, 47.001, 96.195	 0, 47.001, 96.195
 49, 47.001, 96.195	 49, 47.001, 96.195
 48, 50.737, 95.219	 50, 42.127, 97.211
 48, 53.178, 94.266	 50, 36.498, 98.258

48, 53.930, 93.975

51, 30.408, 99.327

52, 24.058,
100.407

52, 17.573,
101.484

53, 11.030,
102.548

54, 4.477, 103.581

55, 2.058, 284.661

56, 8.560, 285.611

Harmonies

Complementary

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



49, 47.001, 96.195



22, 57.250, 298.363

Rectangle

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



49, 47.001, 96.195



49, 47.001, 146.195



49, 47.001, 276.195



49, 47.001, 326.195

Sweetspot

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



49, 47.001, 96.198



67, 18.577, 101.841



29, 46.366, 22.577



34, 12.796, 101.513



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 47.001, 96.198



61, 63.379, 94.527



50, 54.621, 121.270



28, 3.743, 103.350



48, 53.914, 93.976



1, 0.898, 104.299

Inverse Universe

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



22, 57.250, 298.363



24, 85.022, 302.645



23, 64.057, 309.188



26, 3.800, 285.306



16, 74.225, 303.751



0, 0.898, 284.302

Previews

White Background



This preview shows how the CIELCh color 49, 47.001, 96.195 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 49, 47.001, 96.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

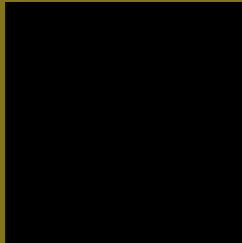
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 47.001, 96.195

Background



This preview shows how black text looks on a background with the CIELCh color 49, 47.001, 96.195.



This preview shows how white text looks on a background with the CIELCh color 49, 47.001, 96.195.

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, 47.001, 96.195

Protanopia

49, 47.079, 95.610

Deuteranopia

49, 46.546, 82.612



Tritanopia
49, 12.649, 356.472

Trichromacy



Original Color
49, 47.001, 96.195

Protanomaly
49, 47.079, 95.610

Deuteranomaly
49, 46.261, 87.535

Tritanomaly
49, 18.288, 75.321

Monochromacy



Original Color
49, 47.001, 96.195

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 18.259, 100.636

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 47.001, 96.195 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(130, 117, 30)` looks like.

```
.text, #text, p{  
    color:rgb(130, 117, 30)  
}
```

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(130, 117, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 117, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 47.001, 96.195 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(130, 117, 30) }
```

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

```
.border{ border-color:rgb(130, 117, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 117, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 117, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 117, 30);  
box-shadow:4px 4px 4px 4px rgb(130, 117,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 47.001, 96.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 117, 30) }
```

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

```
.background{ background-color: rgb(130,  
117, 30) }
```

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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