

Converting Colors

CIELCh(49, 13.600, 79.052)

Have a look what the booklet for
CIELCh(49, 13.600, 79.052) contains.

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Color

CIELCh(49, 13.467, 79.347)

Conversions

Conversions Part 1

Format	Color
Hex	81725E
RGB	129, 114, 94
RGB Percent	51%, 45%, 37%
CMY	0.4931, 0.5519, 0.6304
CMYK	0.00, 0.12, 0.27, 0.49
HSL	34°, 16%, 44%
HSV	34°, 27%, 51%
XYZ	17.1724, 17.5941, 13.1398
YIQ	116.2050, 15.3600, -3.0400

Conversions

Conversions Part 2

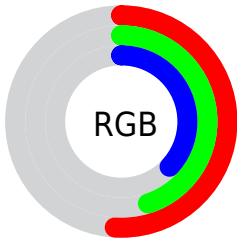
Format	Color
R_{YB}	120, 129, 94
Decimal	8483422
CIE _{Lab}	49.00, 2.49, 13.23
CIE _{LCh}	49, 13.467, 79.347
Yxy	17.5941, 0.3585, 0.3673
Android (android.graphics.Color)	4286673502 (0xFF81725E)
YUV	116.2050, -10.9471, 11.2212
Hunter-Lab	41.9453, -0.3264, 10.7884

Details

The CIELCh color $49, 13.467, 79.347$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $46, 12.935, 266.761$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 13.675, 80.780$, and $29, 13.291, 78.944$ is the 20% darker color. If you saturate the color by 10%, you get $47, 18.748, 78.058$, and if you desaturate by 10%, it is $51, 8.352, 80.617$.

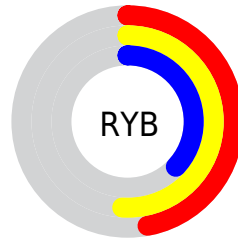
Distribution



Red (51%)

Green (45%)

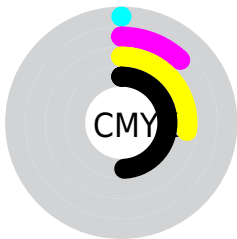
Blue (37%)



Red (47%)

Yellow (51%)

Blue (37%)

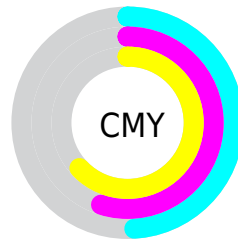


Cyan (0%)

Magenta (12%)

Yellow (27%)

Black (49%)



Cyan (49%)

Magenta (55%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 13.467, 79.347 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, 13.467, 79.347 by changing the saturation by 10% instead.

■ 49, 13.467, 79.347

■ 49, 13.467, 79.347

■ 100, 13.467,
79.347

■ 39, 13.467, 79.347

■ 69, 13.467, 79.347

■ 29, 13.467, 79.347

■ 79, 13.467, 79.347

■ 19, 13.467, 79.347

■ 89, 13.467, 79.347

■ 9, 13.467, 79.347

■ 99, 13.467, 79.347

■ 0, 13.467, 79.347

■ 49, 13.467, 79.347

■ 49, 13.467, 79.347

■ 47, 18.748, 78.058

■ 51, 8.352, 80.617

■ 45, 24.177, 76.729

■ 53, 3.404, 81.818

44, 29.703, 75.362

55, 1.385, 263.251

42, 35.215, 73.929

57, 6.026, 264.288

40, 40.495, 72.369

59, 10.533,
265.390

39, 45.155, 70.554

61, 14.919,
266.456

37, 48.943, 68.436

62, 19.196,
267.478

37, 50.169, 67.928

64, 23.374,
268.453

66, 27.465,
269.381

Harmonies

Complementary

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



49, 13.467, 79.347



46, 12.935, 266.761

Rectangle

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



49, 13.467, 79.347



49, 13.467, 129.347



49, 13.467, 259.347



49, 13.467, 309.347

Sweetspot

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



49, 13.467, 79.355



67, 4.777, 81.692



44, 17.072, 349.941



34, 3.387, 81.539



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, 13.467, 79.355



61, 20.585, 78.492



53, 20.015, 110.549



26, 2.686, 81.588



37, 49.668, 67.979



0, 0.000, 0.000

Inverse Universe

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



46, 12.935, 266.761



56, 19.555, 268.034



41, 21.286, 295.533



25, 2.659, 263.953



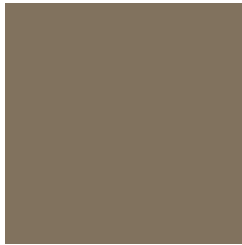
24, 48.008, 288.918



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 13.467, 79.347 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, 13.467, 79.347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

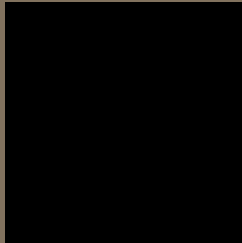
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 13.467, 79.347

Background



This preview shows how black text looks on a background with the CIELCh color 49, 13.467, 79.347.



This preview shows how white text looks on a background with the CIELCh color 49, 13.467, 79.347.

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, 13.467, 79.347

Protanopia

49, 12.633, 94.604

Deuteranopia

49, 14.305, 63.786



Tritanopia
49, 9.779, 352.029

Trichromacy



Original Color
49, 13.467, 79.347

Protanomaly
49, 12.489, 88.192

Deuteranomaly
49, 13.799, 69.211

Tritanomaly
49, 8.066, 28.577

Monochromacy



Original Color
49, 13.467, 79.347

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 4.792, 78.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 13.467, 79.347 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(129, 114, 94)` looks like.

```
.text, #text, p{  
    color:rgb(129, 114, 94)  
}
```

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(129, 114, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 114, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 13.467, 79.347 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(129, 114, 94) }
```

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

```
.border{ border-color:rgb(129, 114, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 114, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 114, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 114, 94);  
box-shadow:4px 4px 4px 4px rgb(129, 114,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 13.467, 79.347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 114, 94) }
```

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

```
.background{ background-color: rgb(129,  
114, 94) }
```

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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