

Converting Colors

CIELCh(49, 15.363, 83.082)

Have a look what the booklet for
CIELCh(49, 15.363, 83.082) contains.

CIELCh(49, 15.357, 84.532)	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, 15.357, 84.532)

Conversions

Conversions Part 1

Format	Color
Hex	81735B
RGB	129, 115, 91
RGB Percent	51%, 45%, 36%
CMY	0.4952, 0.5501, 0.6442
CMYK	0.00, 0.11, 0.30, 0.50
HSL	38°, 17%, 43%
HSV	38°, 30%, 50%
XYZ	16.9860, 17.5941, 12.3382
YIQ	116.4500, 16.0480, -4.4960

Conversions

Conversions Part 2

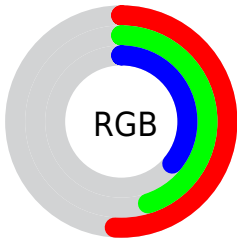
Format	Color
RYB	113, 129, 91
Decimal	8483675
CIELab	49.00, 1.46, 15.29
CIElCh	49, 15.357, 84.532
Yxy	17.5941, 0.3620, 0.3750
Android (android.graphics.Color)	4286673755 (0xFF81735B)
YUV	116.4500, -12.5468, 11.0064
Hunter-Lab	41.9453, -1.1194, 11.9215

Details

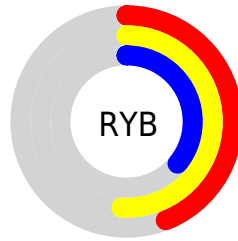
The CIELCh color $49, 15.357, 84.532$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 15.065, 272.627$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 15.472, 85.560$, and $29, 15.338, 84.404$ is the 20% darker color. If you saturate the color by 10%, you get $47, 20.798, 83.222$, and if you desaturate by 10%, it is $51, 10.028, 85.816$.

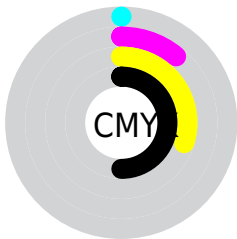
Distribution



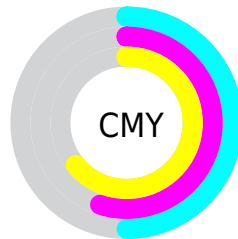
- Red (51%)
- Green (45%)
- Blue (36%)



- Red (44%)
- Yellow (51%)
- Blue (36%)



- Cyan (0%)
- Magenta (11%)
- Yellow (30%)
- Black (50%)



- Cyan (50%)
- Magenta (55%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 15.357, 84.532 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, 15.357, 84.532 by changing the saturation by 10% instead.

■ 49, 15.357, 84.532

■ 49, 15.357, 84.532

■ 100, 15.357,
84.532

■ 39, 15.357, 84.532

■ 69, 15.357, 84.532

■ 29, 15.357, 84.532

■ 79, 15.357, 84.532

■ 19, 15.357, 84.532

■ 89, 15.357, 84.532

■ 9, 15.357, 84.532

■ 99, 15.357, 84.532

■ 0, 15.357, 84.532

■ 49, 15.357, 84.532

■ 49, 15.357, 84.532

■ 47, 20.798, 83.222

■ 51, 10.028, 85.816

■ 46, 26.313, 81.866

■ 52, 4.824, 87.042

44, 31.824, 80.463

54, 0.254, 269.046

43, 37.178, 78.983

56, 5.209, 269.486

42, 42.102, 77.366

57, 10.051,
270.582

40, 46.158, 75.490

59, 14.787,
271.642

39, 49.501, 73.468

61, 19.428,
272.655

39, 49.688, 73.382

63, 23.981,
273.620

64, 28.454,
274.537

Harmonies

Complementary

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



49, 15.357, 84.532



44, 15.065, 272.627

Rectangle

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



49, 15.357, 84.532



49, 15.357, 134.532



49, 15.357, 264.532



49, 15.357, 314.532

Sweetspot

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



49, 15.358, 84.539



67, 5.684, 87.077



43, 18.084, 353.387



34, 3.938, 86.929



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, 15.358, 84.539



62, 22.849, 83.711



53, 21.759, 112.512



26, 2.836, 87.092



38, 49.349, 73.414



0, 0.000, 0.000

Inverse Universe

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



44, 15.065, 272.627



54, 22.323, 273.848



40, 23.256, 297.509



25, 2.826, 269.421



22, 53.428, 293.263



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 15.357, 84.532 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, 15.357, 84.532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

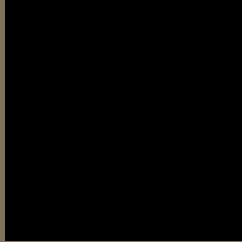
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 15.357, 84.532

Background



This preview shows how black text looks on a background with the CIELCh color 49, 15.357, 84.532.



This preview shows how white text looks on a background with the CIELCh color 49, 15.357, 84.532.

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, 15.357, 84.532

Protanopia

49, 15.004, 94.664

Deuteranopia

49, 16.424, 67.936



Tritanopia
49, 9.779, 352.029

Trichromacy



Original Color
49, 15.357, 84.532

Protanomaly
49, 15.243, 91.426

Deuteranomaly
49, 15.732, 74.077

Tritanomaly
49, 8.199, 32.565

Monochromacy



Original Color
49, 15.357, 84.532

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 5.655, 87.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 15.357, 84.532 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, 115, 91)` looks like.

```
.text, #text, p{  
    color:rgb(129, 115, 91)  
}
```

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, 115, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 115, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 15.357, 84.532 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, 115, 91) }
```

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

```
.border{ border-color:rgb(129, 115, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 115, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 115, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 115, 91);  
box-shadow:4px 4px 4px 4px rgb(129, 115,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 15.357, 84.532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 115, 91) }
```

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

```
.background{ background-color: rgb(129,  
115, 91) }
```

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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