

Converting Colors

CIELCh(49, 17.462, 115.678)

Have a look what the booklet for
CIELCh(49, 17.462, 115.678)
contains.

CIELCh(49, 16.983, 115.260)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(49, 16.983, 115.260)

Conversions

Conversions Part 1

Format	Color
Hex	72775A
RGB	114, 119, 90
RGB Percent	45%, 47%, 35%
CMY	0.5519, 0.5323, 0.6461
CMYK	0.04, 0.00, 0.24, 0.53
HSL	70°, 14%, 41%
HSV	70°, 24%, 47%
XYZ	15.4582, 17.5941, 12.3107
YIQ	114.1990, 6.3290, -10.0790

Conversions

Conversions Part 2

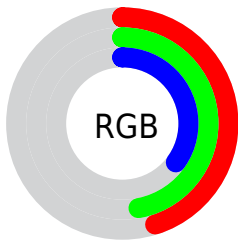
Format	Color
R_{YB}	90, 119, 95
Decimal	7501658
CIE _{Lab}	49.00, -7.25, 15.36
CIE _{LCh}	49, 16.983, 115.260
Yxy	17.5941, 0.3408, 0.3879
Android (android.graphics.Color)	4285691738 (0xFF72775A)
YUV	114.1990, -11.9301, -0.1745
Hunter-Lab	41.9453, -7.6210, 11.9604

Details

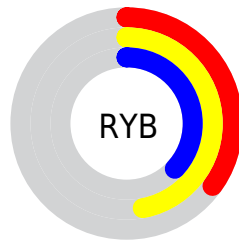
The CIELCh color $49, 16.983, 115.260$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $40, 17.880, 298.864$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 17.013, 115.194$, and $29, 17.200, 115.046$ is the 20% darker color. If you saturate the color by 10%, you get $49, 23.824, 114.578$, and if you desaturate by 10%, it is $49, 10.035, 115.955$.

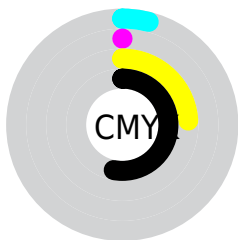
Distribution



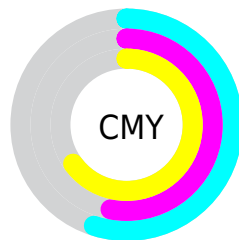
- Red (45%)
- Green (47%)
- Blue (35%)



- Red (35%)
- Yellow (47%)
- Blue (37%)



- Cyan (4%)
- Magenta (0%)
- Yellow (24%)
- Black (53%)





- Cyan (55%)
- Magenta (53%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 16.983, 115.260 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, 16.983, 115.260 by changing the saturation by 10% instead.


 49, 16.983,
115.260


 49, 16.983,
115.260


 100, 16.983,
115.260


 39, 16.983,
115.260

 69, 16.983,
115.260


 29, 16.983,
115.260

 79, 16.983,
115.260

 19, 16.983,
115.260

 89, 16.983,
115.260

 9, 16.983, 115.260

 99, 16.983,
115.260

 0, 16.983, 115.260

 49, 16.983,

 49, 16.983,

115.260

115.260

■ 49, 23.824,
114.578

■ 49, 10.035,
115.955

■ 48, 30.475,
113.923

■ 50, 3.030, 116.639

■ 48, 36.815,
113.329

■ 50, 3.992, 297.303

■ 48, 42.672,
112.843

■ 51, 11.005,
297.941

■ 47, 47.801,
112.524

■ 52, 17.991,
298.548

■ 47, 51.910,
112.447

■ 52, 24.934,
299.123

■ 47, 54.789,
112.666

■ 53, 31.825,
299.663

■ 47, 56.281,
112.808

■ 54, 38.654,
300.170

■ 54, 45.415,
300.643

Harmonies

Complementary

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



49, 16.983, 115.260



40, 17.880, 298.864

Rectangle

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



49, 16.983, 115.260



49, 16.983, 165.260



49, 16.983, 295.260



49, 16.983, 345.260

Sweetspot

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



49, 16.984, 115.263



64, 6.099, 116.446



43, 11.081, 35.761



33, 3.994, 116.417



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



49, 16.984, 115.263



63, 25.095, 114.891



48, 18.854, 133.619



24, 3.892, 116.320



48, 57.342, 112.833



92, 97.405, 113.354

Inverse Universe

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



40, 17.880, 298.864



49, 26.762, 299.388



41, 19.230, 315.654



22, 3.968, 297.570



13, 76.550, 307.268



33, 130.435, 306.933

Previews

White Background



This preview shows how the CIE LCh color 49, 16.983, 115.260 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, 16.983, 115.260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

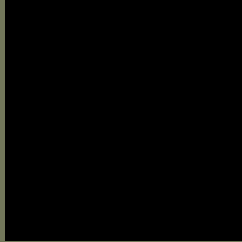
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

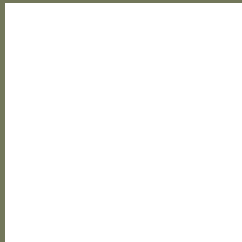
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 16.983, 115.260

Background



This preview shows how black text looks on a background with the CIELCh color 49, 16.983, 115.260.



This preview shows how white text looks on a background with the CIELCh color 49, 16.983, 115.260.

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, 16.983, 115.260

Protanopia

49, 16.135, 95.407

Deuteranopia

49, 15.964, 66.719



Tritanopia
49, 5.545, 307.418

Trichromacy



Original Color
49, 16.983, 115.260

Protanomaly
49, 16.345, 103.357

Deuteranomaly
49, 15.176, 86.067

Tritanomaly
49, 2.921, 109.775

Monochromacy



Original Color
49, 16.983, 115.260

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 6.503, 116.664

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 16.983, 115.260 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(114, 119, 90)` looks like.

```
.text, #text, p{  
    color:rgb(114, 119, 90)  
}
```

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(114, 119, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 119, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 16.983, 115.260 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(114, 119, 90) }
```

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

```
.border{ border-color:rgb(114, 119, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 119, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 119, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 119, 90);  
box-shadow:4px 4px 4px 4px rgb(114, 119,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 16.983, 115.260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 119, 90) }
```

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

```
.background{ background-color: rgb(114,  
119, 90) }
```

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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