

Converting Colors

CIELCh(49, 16.328, 123.190)

Have a look what the booklet for
CIELCh(49, 16.328, 123.190)
contains.

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Color

CIELCh(49, 16.283, 123.300)

Conversions

Conversions Part 1

Format	Color
Hex	6E785D
RGB	110, 120, 93
RGB Percent	43%, 47%, 36%
CMY	0.5680, 0.5287, 0.6346
CMYK	0.08, 0.00, 0.22, 0.53
HSL	82°, 13%, 42%
HSV	82°, 22%, 47%
XYZ	15.1724, 17.5941, 12.9910
YIQ	113.9320, 2.7070, -10.5170

Conversions

Conversions Part 2

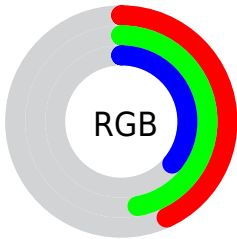
Format	Color
R _Y B	93, 120, 103
Decimal	7239773
CIE Lab	49.00, -8.94, 13.61
CIE LCh	49, 16.283, 123.300
Yxy	17.5941, 0.3316, 0.3845
Android (android.graphics.Color)	4285429853 (0xFF6E785D)
YUV	113.9320, -10.3195, -3.4484
Hunter-Lab	41.9453, -8.8374, 10.9988

Details

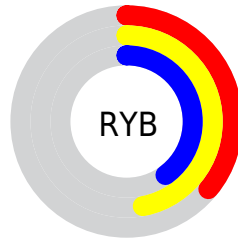
The CIELCh color $49, 16.283, 123.300$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $41, 16.909, 305.636$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 16.316, 122.586$, and $29, 16.518, 123.932$ is the 20% darker color. If you saturate the color by 10%, you get $48, 23.442, 122.791$, and if you desaturate by 10%, it is $50, 9.049, 123.814$.

Distribution



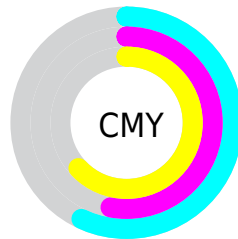
- Red (43%)
- Green (47%)
- Blue (36%)



- Red (36%)
- Yellow (47%)
- Blue (40%)



- Cyan (8%)
- Magenta (0%)
- Yellow (22%)
- Black (53%)





- Cyan (57%)
- Magenta (53%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 16.283, 123.300 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, 16.283, 123.300 by changing the saturation by 10% instead.


 49, 16.283,
123.300


 49, 16.283,
123.300


 100, 16.283,
123.300


 39, 16.283,
123.300

 69, 16.283,
123.300


 29, 16.283,
123.300

 79, 16.283,
123.300

 19, 16.283,
123.300

 89, 16.283,
123.300

 9, 16.283, 123.300

 99, 16.283,
123.300

 0, 16.283, 123.300

 49, 16.283,

 49, 16.283,

123.300

123.300

■ 48, 23.442,
122.791

■ 50, 9.049, 123.814

■ 48, 30.445,
122.300

■ 50, 1.789, 124.329

■ 51, 5.457, 304.759

■ 47, 37.182,
121.865

■ 52, 12.662,
305.203

■ 47, 43.490,
121.538

■ 53, 19.805,
305.612

■ 47, 49.144,
121.395

■ 54, 26.872,
305.989

■ 46, 53.863,
121.535

■ 54, 33.852,
306.334

■ 46, 57.370,
122.058

■ 55, 40.737,
306.650

■ 46, 59.658,
122.511

■ 56, 47.523,

Harmonies

Complementary

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



49, 16.283, 123.300



41, 16.909, 305.636

Rectangle

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



49, 16.283, 123.300



49, 16.283, 173.300



49, 16.283, 303.300



49, 16.283, 353.300

Sweetspot

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



49, 16.284, 123.303



64, 6.268, 124.082



45, 9.556, 57.872



33, 4.105, 124.061



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, 16.284, 123.303



62, 24.126, 123.036



48, 18.633, 139.610



25, 4.146, 123.985



47, 61.378, 122.574



90, 103.973, 123.408

Inverse Universe

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



41, 16.909, 305.636



51, 25.290, 305.961



43, 18.755, 321.766



24, 4.213, 304.868



16, 75.267, 309.707



37, 127.516, 309.164

Previews

White Background



This preview shows how the CIELCh color 49, 16.283, 123.300 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, 16.283, 123.300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

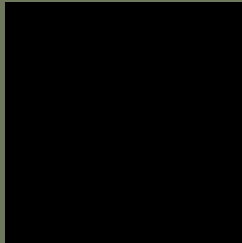
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

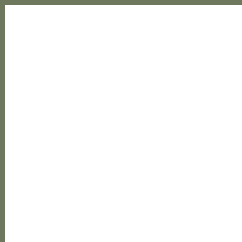
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 16.283, 123.300

Background



This preview shows how black text looks on a background with the CIELCh color 49, 16.283, 123.300.



This preview shows how white text looks on a background with the CIELCh color 49, 16.283, 123.300.

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, 16.283, 123.300

Protanopia

49, 15.004, 94.664

Deuteranopia

49, 14.305, 63.786



Tritanopia
49, 5.297, 286.655

Trichromacy



Original Color
49, 16.283, 123.300

Protanomaly
49, 15.126, 106.503

Deuteranomaly
49, 13.199, 87.157

Tritanomaly
49, 3.578, 144.264

Monochromacy



Original Color
49, 16.283, 123.300

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 6.001, 121.342

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 16.283, 123.300 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(110, 120, 93)` looks like.

```
.text, #text, p{  
    color:rgb(110, 120, 93)  
}
```

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(110, 120, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 120, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 16.283, 123.300 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(110, 120, 93) }
```

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

```
.border{ border-color:rgb(110, 120, 93) }
```

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

Here you see how a box with a 4 pixel rgb(110, 120, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 120, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 120, 93);  
box-shadow:4px 4px 4px 4px rgb(110, 120,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 16.283, 123.300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 120, 93) }
```

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

```
.background{ background-color: rgb(110,  
120, 93) }
```

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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