

Converting Colors

CIELCh(49, 16.156, 231.309)

Have a look what the booklet for
CIELCh(49, 16.156, 231.309)
contains.

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Color

CIELCh(49, 15.977, 231.959)

Conversions

Conversions Part 1

Format	Color
Hex	527A89
RGB	82, 122, 137
RGB Percent	32%, 48%, 54%
CMY	0.6775, 0.5206, 0.4618
CMYK	0.40, 0.11, 0.00, 0.46
HSL	196°, 25%, 43%
HSV	196°, 40%, 54%
XYZ	15.0209, 17.5941, 26.3613
YIQ	111.7500, -28.6550, -3.8150

Conversions

Conversions Part 2

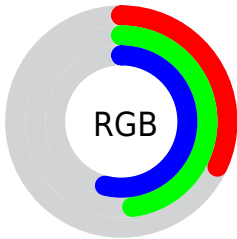
Format	Color
R_{YB}	82, 105, 137
Decimal	5405321
CIE _{Lab}	49.00, -9.85, -12.58
CIE _{LCh}	49, 15.977, 231.959
Yxy	17.5941, 0.2547, 0.2983
Android (android.graphics.Color)	4283595401 (0xFF527A89)
YUV	111.7500, 12.4483, -26.0907
Hunter-Lab	41.9453, -9.4820, -7.9003

Details

The CIELCh color $49, 15.977, 231.959$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $45, 20.639, 46.588$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 15.828, 232.463$, and $29, 15.867, 232.781$ is the 20% darker color. If you saturate the color by 10%, you get $47, 19.200, 233.611$, and if you desaturate by 10%, it is $51, 12.397, 230.658$.

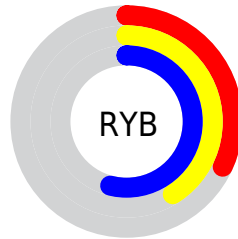
Distribution



Red (32%)

Green (48%)

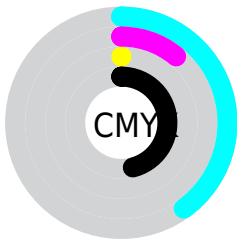
Blue (54%)



Red (32%)

Yellow (41%)

Blue (54%)

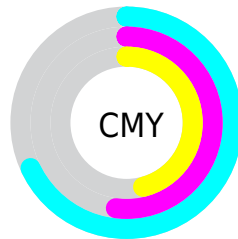


Cyan (40%)

Magenta (11%)

Yellow (0%)

Black (46%)



Cyan (68%)


Magenta (52%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 15.977, 231.959 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, 15.977, 231.959 by changing the saturation by 10% instead.


 49, 15.977,
231.959


 49, 15.977,
231.959


 100, 15.977,
231.959


 39, 15.977,
231.959

 69, 15.977,
231.959


 29, 15.977,
231.959

 79, 15.977,
231.959

 19, 15.977,
231.959


 89, 15.977,
231.959

 9, 15.977, 231.959

 99, 15.977,
231.959

 0, 15.977, 231.959

 49, 15.977,

 49, 15.977,

231.959

231.959

■ 47, 19.200,
233.611

■ 51, 12.397,
230.658

■ 45, 22.022,
235.702

■ 53, 8.512, 229.651

■ 44, 24.419,
238.311

■ 55, 4.375, 228.901

■ 57, 0.038, 238.529

■ 42, 26.396,
241.518

■ 59, 4.457, 47.636

■ 41, 28.003,
245.374

■ 62, 9.071, 47.320

■ 64, 13.771, 47.061

■ 39, 29.431,
249.567

■ 66, 18.532, 46.864

■ 68, 23.332, 46.718

Harmonies

Complementary

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



49, 15.977, 231.959



45, 20.639, 46.588

Rectangle

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



49, 15.977, 231.959



49, 15.977, 281.959



49, 15.977, 51.959



49, 15.977, 101.959

Sweetspot

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



49, 15.977, 231.956



70, 6.425, 229.042



53, 31.784, 149.682



36, 4.235, 229.116



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



49, 15.977, 231.956



61, 22.906, 233.423



41, 25.785, 284.373



28, 2.461, 228.846



38, 28.675, 249.393



1, 1.165, 228.209

Inverse Universe

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



42, 31.907, 335.996



51, 46.795, 336.721



52, 24.849, 93.611



27, 4.496, 333.761



29, 58.116, 342.410



0, 2.072, 333.206

Previews

White Background



This preview shows how the CIELCh color 49, 15.977, 231.959 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, 15.977, 231.959 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

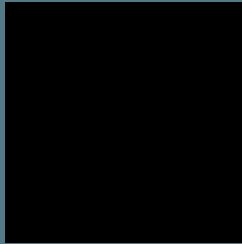
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 15.977, 231.959

Background



This preview shows how black text looks on a background with the CIELCh color 49, 15.977, 231.959.



This preview shows how white text looks on a background with the CIELCh color 49, 15.977, 231.959.

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, 15.977, 231.959

Protanopia

49, 10.598, 287.484

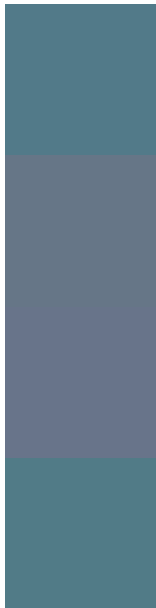
Deuteranopia

49, 15.378, 296.331



Tritanopia
49, 15.510, 220.454

Trichromacy



Original Color
49, 15.977, 231.959

Protanomaly
49, 11.409, 260.575

Deuteranomaly
49, 13.525, 273.066

Tritanomaly
49, 15.833, 224.713

Monochromacy



Original Color
49, 15.977, 231.959

Achromatopsia
47, 0.006, 296.813

Achromatomaly
48, 6.409, 226.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 15.977, 231.959 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(82, 122, 137)` looks like.

```
.text, #text, p{  
    color:rgb(82, 122, 137)  
}
```

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(82, 122, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 122, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 15.977, 231.959 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(82, 122, 137) }
```

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

```
.border{ border-color:rgb(82, 122, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 122, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 122, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 122, 137);  
box-shadow:4px 4px 4px 4px rgb(82, 122,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 15.977, 231.959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 122, 137) }
```

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

```
.background{ background-color: rgb(82, 122,  
137) }
```

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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