

Converting Colors

CIELCh(49, 18.518, 222.387)

Have a look what the booklet for
CIELCh(49, 18.518, 222.387)
contains.

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Color

CIELCh(49, 18.518, 222.387)

Conversions

Conversions Part 1

Format	Color
Hex	487C89
RGB	72, 124, 137
RGB Percent	28%, 49%, 54%
CMY	0.7177, 0.5138, 0.4628
CMYK	0.47, 0.09, 0.00, 0.46
HSL	192°, 31%, 41%
HSV	192°, 47%, 54%
XYZ	14.3911, 17.5941, 26.2983
YIQ	109.9340, -35.1650, -6.9810

Conversions

Conversions Part 2

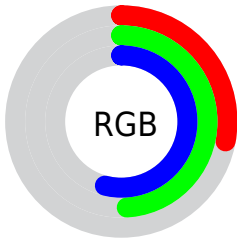
Format	Color
R_{YB}	72, 101, 137
Decimal	4750473
CIE _{Lab}	49.00, -13.68, -12.48
CIE _{LCh}	49, 18.518, 222.387
Yxy	17.5941, 0.2469, 0.3019
Android (android.graphics.Color)	4282940553 (0xFF487C89)
YUV	109.9340, 13.3435, -33.2681
Hunter-Lab	41.9453, -12.1621, -7.8112

Details

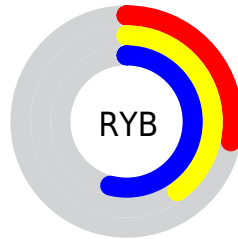
The CIELCh color **49, 18.518, 222.387** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **42, 26.046, 39.655**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 18.380, 221.180**, and **29, 18.460, 222.217** is the 20% darker color. If you saturate the color by 10%, you get **48, 21.305, 223.723**, and if you desaturate by 10%, it is **51, 15.266, 221.373**.

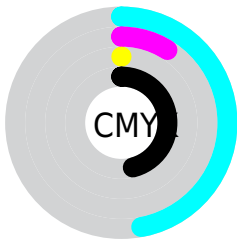
Distribution



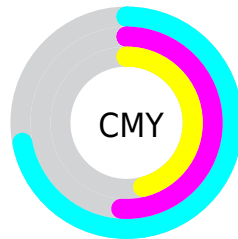
- Red (28%)
- Green (49%)
- Blue (54%)



- Red (28%)
- Yellow (40%)
- Blue (54%)



- Cyan (47%)
- Magenta (9%)
- Yellow (0%)
- Black (46%)



- Cyan (72%)
- Magenta (51%)
- Yellow (46%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 18.518, 222.387 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, 18.518, 222.387 by changing the saturation by 10% instead.

 49, 18.518,
222.387

 49, 18.518,
222.387


 100, 18.518,
222.387


 39, 18.518,
222.387

 69, 18.518,
222.387


 29, 18.518,
222.387

 79, 18.518,
222.387

 19, 18.518,
222.387


 89, 18.518,
222.387

 9, 18.518, 222.387

 99, 18.518,
222.387

 0, 18.518, 222.387

 49, 18.518,

 49, 18.518,

222.387

222.387

■ 48, 21.305,
223.723

■ 51, 15.266,
221.373

■ 46, 23.582,
225.458

■ 52, 11.609,
220.628

■ 45, 25.328,
227.667

■ 54, 7.611, 220.102

■ 44, 26.562,
230.422

■ 56, 3.334, 219.792

■ 58, 1.164, 39.067

■ 43, 27.406,
233.684

■ 60, 5.832, 39.202

■ 43, 27.620,
234.515

■ 61, 10.627, 39.166

■ 64, 15.514, 39.170

■ 66, 20.464, 39.215

Harmonies

Complementary

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



49, 18.518, 222.387



42, 26.046, 39.655

Rectangle

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



49, 18.518, 222.387



49, 18.518, 272.387



49, 18.518, 42.387



49, 18.518, 92.387

Sweetspot

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



49, 18.518, 222.385



70, 7.645, 219.978



52, 39.706, 146.012



36, 5.231, 220.050



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, 18.518, 222.385



61, 26.121, 223.847



39, 27.593, 280.472



28, 2.526, 219.824



41, 26.970, 234.384



1, 1.199, 219.490

Inverse Universe

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



40, 39.236, 333.564



49, 57.064, 334.330



50, 27.478, 86.438



27, 4.735, 331.047



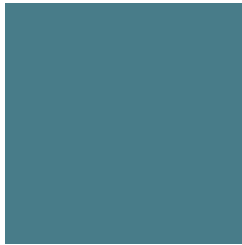
29, 61.143, 337.828



0, 2.184, 330.525

Previews

White Background



This preview shows how the CIELCh color 49, 18.518, 222.387 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, 18.518, 222.387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

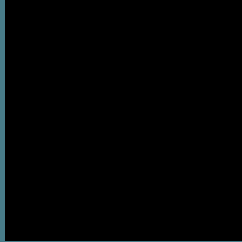
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 18.518, 222.387

Background



This preview shows how black text looks on a background with the CIELCh color 49, 18.518, 222.387.



This preview shows how white text looks on a background with the CIELCh color 49, 18.518, 222.387.

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, 18.518, 222.387

Protanopia
49, 9.428, 286.791

Deuteranopia
49, 15.378, 296.331



Tritanopia
49, 18.411, 216.493

Trichromacy



Original Color
49, 18.518, 222.387

Protanomaly
49, 11.254, 250.852

Deuteranomaly
49, 13.588, 265.028

Tritanomaly
49, 18.509, 218.361

Monochromacy



Original Color
49, 18.518, 222.387

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 7.745, 221.258

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 18.518, 222.387 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(72, 124, 137)` looks like.

```
.text, #text, p{  
    color:rgb(72, 124, 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(72, 124, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 124, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 18.518, 222.387 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(72, 124, 137) }
```

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

```
.border{ border-color:rgb(72, 124, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 124, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 124, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 124, 137);  
box-shadow:4px 4px 4px 4px rgb(72, 124,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 18.518, 222.387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 124, 137) }
```

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

```
.background{ background-color: rgb(72, 124,  
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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