

Converting Colors

CIELCh(49, 16.480, 228.218)

Have a look what the booklet for
CIELCh(49, 16.480, 228.218)
contains.

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Color

CIELCh(49, 16.484, 228.254)

Conversions

Conversions Part 1

Format	Color
Hex	507B89
RGB	80, 123, 137
RGB Percent	31%, 48%, 54%
CMY	0.6873, 0.5187, 0.4638
CMYK	0.42, 0.10, 0.00, 0.46
HSL	195°, 26%, 42%
HSV	195°, 42%, 54%
XYZ	14.8333, 17.5941, 26.1814
YIQ	111.7390, -30.1220, -4.7620

Conversions

Conversions Part 2

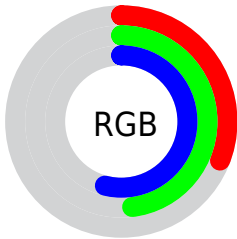
Format	Color
R_{YB}	80, 105, 137
Decimal	5274505
CIE _{Lab}	49.00, -10.98, -12.30
CIE _{LCh}	49, 16.484, 228.254
Yxy	17.5941, 0.2531, 0.3002
Android (android.graphics.Color)	4283464585 (0xFF507B89)
YUV	111.7390, 12.4537, -27.8351
Hunter-Lab	41.9453, -10.2804, -7.6460

Details

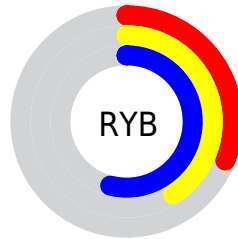
The CIELCh color **49, 16.484, 228.254** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **44, 21.790, 43.832**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 16.410, 226.478**, and **29, 16.410, 228.576** is the 20% darker color. If you saturate the color by 10%, you get **47, 19.582, 229.764**, and if you desaturate by 10%, it is **51, 12.995, 227.081**.

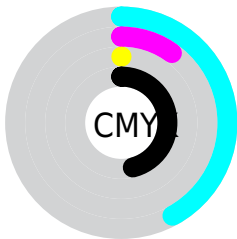
Distribution



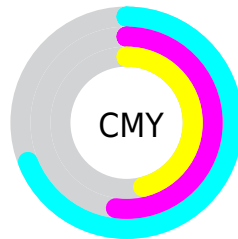
- Red (31%)
- Green (48%)
- Blue (54%)



- Red (31%)
- Yellow (41%)
- Blue (54%)



- Cyan (42%)
- Magenta (10%)
- Yellow (0%)
- Black (46%)




- Cyan (69%)
- Magenta (52%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 16.484, 228.254 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, 16.484, 228.254 by changing the saturation by 10% instead.


 49, 16.484,
228.254


 49, 16.484,
228.254


 100, 16.484,
228.254


 39, 16.484,
228.254

 69, 16.484,
228.254


 29, 16.484,
228.254

 79, 16.484,
228.254

 19, 16.484,
228.254

 89, 16.484,
228.254

 9, 16.484, 228.254

 99, 16.484,
228.254

 0, 16.484, 228.254

 49, 16.484,

 49, 16.484,

228.254

228.254

■ 47, 19.582,
229.764

■ 51, 12.995,
227.081

■ 46, 22.242,
231.694

■ 53, 9.172, 226.190

■ 44, 24.438,
234.127

■ 55, 5.071, 225.539

■ 57, 0.748, 225.480

■ 43, 26.174,
237.141

■ 59, 3.750, 44.458

■ 41, 27.500,
240.794

■ 61, 8.381, 44.243

■ 63, 13.109, 44.068

■ 40, 28.474,
244.073

■ 65, 17.906, 43.949

■ 67, 22.748, 43.876

Harmonies

Complementary

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



49, 16.484, 228.254



44, 21.790, 43.832

Rectangle

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



49, 16.484, 228.254



49, 16.484, 278.254



49, 16.484, 48.254



49, 16.484, 98.254

Sweetspot

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



49, 16.484, 228.251



70, 6.988, 225.627



52, 33.756, 148.324



36, 4.848, 225.744



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, 16.484, 228.251



61, 23.612, 229.667



41, 25.678, 282.613



28, 2.478, 225.416



39, 27.829, 243.927



1, 1.174, 224.890

Inverse Universe

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



42, 33.643, 334.977



51, 49.439, 335.701



51, 25.037, 91.045



27, 4.584, 332.711



29, 59.199, 340.620



0, 2.113, 332.169

Previews

White Background



This preview shows how the CIE LCh color 49, 16.484, 228.254 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, 16.484, 228.254 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, 16.484, 228.254

Background



This preview shows how black text looks on a background with the CIELCh color 49, 16.484, 228.254.



This preview shows how white text looks on a background with the CIELCh color 49, 16.484, 228.254.

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, 16.484, 228.254

Protanopia

49, 10.013, 287.153

Deuteranopia

49, 15.378, 296.331



Tritanopia
49, 16.056, 219.605

Trichromacy



Original Color
49, 16.484, 228.254

Protanomaly
49, 11.105, 257.254

Deuteranomaly
49, 13.190, 269.145

Tritanomaly
49, 16.196, 221.697

Monochromacy



Original Color
49, 16.484, 228.254

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 6.417, 226.396

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 16.484, 228.254 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(80, 123, 137)` looks like.

```
.text, #text, p{  
    color:rgb(80, 123, 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(80, 123, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 123, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 16.484, 228.254 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(80, 123, 137) }
```

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

```
.border{ border-color:rgb(80, 123, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 123, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 123, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 123, 137);  
box-shadow:4px 4px 4px 4px rgb(80, 123,  
137) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 16.484, 228.254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 123, 137) }
```

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

```
.background{ background-color: rgb(80, 123,  
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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