

Converting Colors

CIELCh(49, 19.116, 283.623)

Have a look what the booklet for
CIELCh(49, 19.116, 283.623)
contains.

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Color

CIELCh(49, 19.516, 284.403)

Conversions

Conversions Part 1

Format	Color
Hex	6B7394
RGB	107, 115, 148
RGB Percent	42%, 45%, 58%
CMY	0.5795, 0.5482, 0.4187
CMYK	0.28, 0.22, 0.00, 0.42
HSL	228°, 16%, 50%
HSV	228°, 28%, 58%
XYZ	17.6070, 17.5941, 30.5775
YIQ	116.3700, -15.3610, 8.5670

Conversions

Conversions Part 2

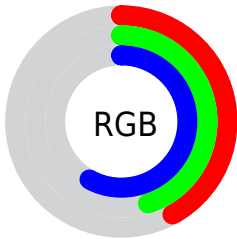
Format	Color
R_{YB}	107, 114, 148
Decimal	7041940
CIE _{Lab}	49.00, 4.85, -18.90
CIE _{LCh}	49, 19.516, 284.403
Y _{xy}	17.5941, 0.2677, 0.2675
Android (android.graphics.Color)	4285232020 (0xFF6B7394)
YUV	116.3700, 15.5936, -8.2175
Hunter-Lab	41.9453, 1.5232, -13.8598

Details

The CIELCh color `49, 19.516, 284.403` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `58, 18.904, 97.576`, and the grayscale version is `49, 0.007, 296.813`.

A 20% lighter version of the original color is `69, 19.358, 283.994`, and `29, 19.474, 284.257` is the 20% darker color. If you saturate the color by 10%, you get `45, 26.982, 286.168`, and if you desaturate by 10%, it is `53, 12.280, 282.887`.

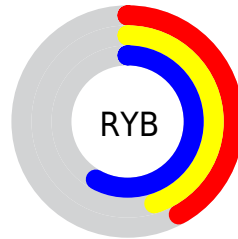
Distribution



Red (42%)

Green (45%)

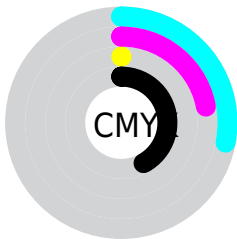
Blue (58%)



Red (42%)

Yellow (45%)

Blue (58%)

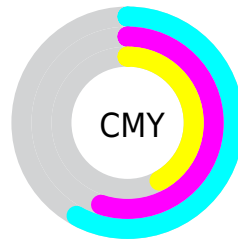


Cyan (28%)

Magenta (22%)

Yellow (0%)

Black (42%)



Cyan (58%)

Magenta (55%)

Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 19.516, 284.403 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, 19.516, 284.403 by changing the saturation by 10% instead.


 49, 19.516,
284.403


 49, 19.516,
284.403


 100, 19.516,
284.403


 39, 19.516,
284.403

 69, 19.516,
284.403


 29, 19.516,
284.403


 79, 19.516,
284.403

 19, 19.516,
284.403

 89, 19.516,
284.403

 9, 19.516, 284.403

 99, 19.516,
284.403

 0, 19.516, 284.403

 49, 19.516,

 49, 19.516,

284.403

45, 26.982,
286.168

40, 34.703,
288.217

36, 42.695,
290.565

31, 50.954,
293.198

27, 59.400,
296.042

24, 67.792,
298.944

21, 75.644,
301.621

20, 77.344,
302.146

284.403

53, 12.280,
282.887

58, 5.257, 281.597

62, 1.569, 100.372

67, 8.208, 99.464

71, 14.672, 98.626

76, 20.969, 97.890

80, 27.105, 97.242

84, 33.087, 96.668

89, 38.923, 96.157

Harmonies

Complementary

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



49, 19.516, 284.403



58, 18.904, 97.576

Rectangle

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



49, 19.516, 284.403



49, 19.516, 334.403



49, 19.516, 104.403



49, 19.516, 154.403

Sweetspot

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



49, 19.515, 284.402



74, 6.830, 281.656



58, 15.868, 180.775



38, 4.849, 281.825



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



49, 19.515, 284.402



60, 29.232, 285.433



48, 24.734, 303.599



29, 3.874, 281.780



18, 72.875, 301.967



1, 3.350, 280.700

Inverse Universe

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



50, 17.714, 6.534



61, 26.622, 7.388



59, 23.449, 120.239



29, 3.451, 4.391



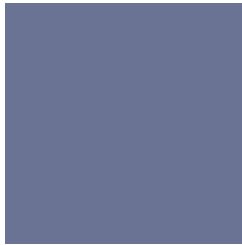
28, 58.243, 28.383



1, 2.950, 3.626

Previews

White Background



This preview shows how the CIE LCh color 49, 19.516, 284.403 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, 19.516, 284.403 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

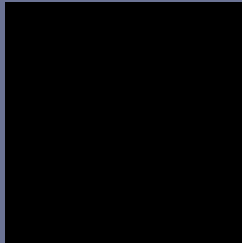
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

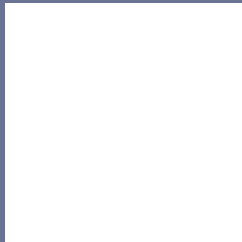
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 19.516, 284.403

Background



This preview shows how black text looks on a background with the CIELCh color 49, 19.516, 284.403.



This preview shows how white text looks on a background with the CIELCh color 49, 19.516, 284.403.

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, 19.516, 284.403

Protanopia

49, 19.478, 285.409

Deuteranopia

49, 19.996, 289.715



Tritanopia
49, 7.901, 241.094

Trichromacy



Original Color
49, 19.516, 284.403

Protanomaly
49, 19.478, 285.409

Deuteranomaly
49, 20.011, 288.713

Tritanomaly
49, 10.937, 265.468

Monochromacy



Original Color
49, 19.516, 284.403

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 7.123, 281.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 19.516, 284.403 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(107, 115, 148)` looks like.

```
.text, #text, p{  
    color:rgb(107, 115, 148)  
}
```

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(107, 115, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 115, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 19.516, 284.403 is called "border". The border property can be set on classes, ids or directly on the HTML element.

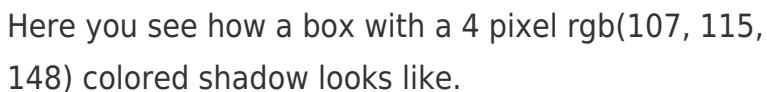
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 115, 148) }
```

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

```
.border{ border-color:rgb(107, 115, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 115, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 115, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 115, 148);  
box-shadow:4px 4px 4px 4px rgb(107, 115,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 19.516, 284.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 115, 148) }
```

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

```
.background{ background-color: rgb(107,  
115, 148) }
```

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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