

Converting Colors

CIELCh(49, 41.655, 280.654)

Have a look what the booklet for
CIELCh(49, 41.655, 280.654)
contains.

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Color

CIELCh(49, 41.771, 280.693)

Conversions

Conversions Part 1

Format	Color
Hex	4D74BA
RGB	77, 116, 186
RGB Percent	30%, 45%, 73%
CMY	0.6983, 0.5453, 0.2708
CMYK	0.59, 0.38, 0.00, 0.27
HSL	219°, 44%, 52%
HSV	219°, 59%, 73%
XYZ	18.1492, 17.5941, 48.8563
YIQ	112.3190, -45.7140, 13.5020

Conversions

Conversions Part 2

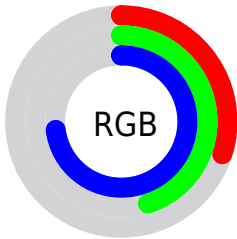
Format	Color
R_{YB}	77, 106, 186
Decimal	5076154
CIE Lab	49.00, 7.75, -41.05
CIE LCh	49, 41.771, 280.693
Yxy	17.5941, 0.2145, 0.2080
Android (android.graphics.Color)	4283266234 (0xFF4D74BA)
YUV	112.3190, 36.3247, -30.9748
Hunter-Lab	41.9453, 3.8304, -39.6970

Details

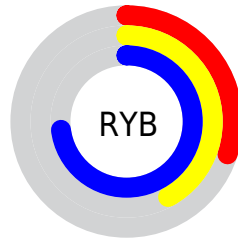
The CIELCh color **49, 41.771, 280.693** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **63, 42.588, 81.233**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 41.838, 280.649**, and **29, 41.821, 281.131** is the 20% darker color. If you saturate the color by 10%, you get **45, 49.318, 283.842**, and if you desaturate by 10%, it is **53, 34.387, 277.928**.

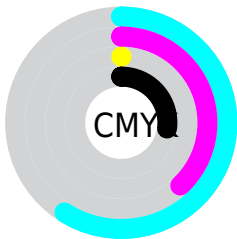
Distribution



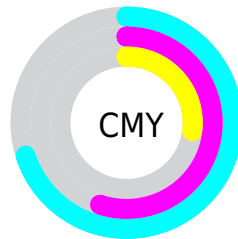
- Red (30%)
- Green (45%)
- Blue (73%)



- Red (30%)
- Yellow (42%)
- Blue (73%)



- Cyan (59%)
- Magenta (38%)
- Yellow (0%)
- Black (27%)



- Cyan (70%)
- Magenta (55%)
- Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 41.771, 280.693 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, 41.771, 280.693 by changing the saturation by 10% instead.

 49, 41.771,
280.693


 49, 41.771,
280.693


 100, 41.771,
280.693


 39, 41.771,
280.693

 69, 41.771,
280.693


 29, 41.771,
280.693

 79, 41.771,
280.693

 19, 41.771,
280.693

 89, 41.771,
280.693

 9, 41.771, 280.693

 99, 41.771,
280.693

 0, 41.771, 280.693

 49, 41.771,

 49, 41.771,

280.693

■ 45, 49.318,
283.842

■ 41, 57.065,
287.330

■ 37, 65.008,
291.040

■ 33, 73.056,
294.724

■ 33, 74.168,
295.190

280.693

■ 53, 34.387,
277.928

■ 58, 27.132,
275.540

■ 62, 19.981,
273.495

■ 67, 12.921,
271.751

■ 72, 5.949, 270.275

■ 76, 0.936, 88.685

■ 81, 7.729, 87.803

■ 85, 14.426, 86.851

■ 90, 21.025, 86.010

Harmonies

Complementary

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



49, 41.771, 280.693



63, 42.588, 81.233

Rectangle

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



49, 41.771, 280.693



49, 41.771, 330.693



49, 41.771, 100.693



49, 41.771, 150.693

Sweetspot

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



49, 41.770, 280.694



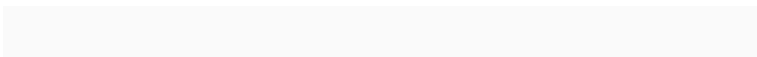
85, 15.482, 271.699



69, 42.278, 164.851



44, 10.865, 272.179



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



49, 41.770, 280.694



57, 62.523, 284.699



40, 65.943, 302.147



36, 3.870, 270.370



27, 64.066, 294.655



3, 11.580, 276.525

Inverse Universe

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



48, 47.784, 0.206



57, 68.495, 3.533



72, 56.111, 111.172



36, 4.456, 352.881



32, 59.086, 14.926



2, 11.433, 358.671

Previews

White Background



This preview shows how the CIE LCh color 49, 41.771, 280.693 looks on a white background.

Color Contrast Check

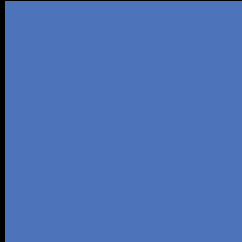
Large Text (above 18pt) WCAG AA ✓ Pass

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, 41.771, 280.693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

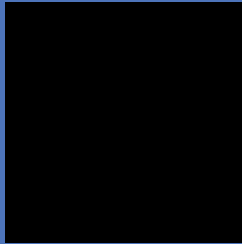
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 41.771, 280.693

Background



This preview shows how black text looks on a background with the CIELCh color 49, 41.771, 280.693.



This preview shows how white text looks on a background with the CIELCh color 49, 41.771, 280.693.

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, 41.771, 280.693

Protanopia

49, 41.317, 285.384

Deuteranopia

49, 41.861, 280.103



Tritanopia
49, 22.323, 212.729

Trichromacy



Original Color
49, 41.771, 280.693

Protanomaly
49, 41.446, 283.612

Deuteranomaly
49, 41.816, 280.396

Tritanomaly
49, 24.761, 248.215

Monochromacy



Original Color
49, 41.771, 280.693

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 15.989, 274.038

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 41.771, 280.693 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(77, 116, 186)` looks like.

```
.text, #text, p{  
    color:rgb(77, 116, 186)  
}
```

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(77, 116, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 116, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 41.771, 280.693 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(77, 116, 186) }
```

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

```
.border{ border-color:rgb(77, 116, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 116, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 116, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 116, 186);  
box-shadow:4px 4px 4px 4px rgb(77, 116,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 41.771, 280.693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 116, 186) }
```

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

```
.background{ background-color: rgb(77, 116,  
186) }
```

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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