

Converting Colors

CIELCh(49, 7.175, 237.433)

Have a look what the booklet for
CIELCh(49, 7.175, 237.433) contains.

CIELCh(49, 6.941, 235.379)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 6.941, 235.379)

Conversions

Conversions Part 1

Format	Color
Hex	68777E
RGB	104, 119, 126
RGB Percent	41%, 47%, 49%
CMY	0.5927, 0.5339, 0.5065
CMYK	0.17, 0.06, 0.00, 0.51
HSL	199°, 10%, 45%
HSV	199°, 17%, 49%
XYZ	16.0264, 17.5941, 22.2380
YIQ	115.3130, -11.1870, -1.0030

Conversions

Conversions Part 2

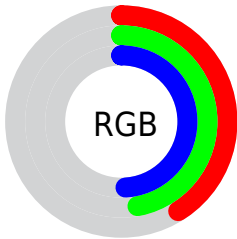
Format	Color
RYB	104, 113, 126
Decimal	6846334
CIELab	49.00, -3.94, -5.71
CIELCh	49, 6.941, 235.379
Yxy	17.5941, 0.2869, 0.3150
Android (android.graphics.Color)	4285036414 (0xFF68777E)
YUV	115.3130, 5.2687, -9.9215
Hunter-Lab	41.9453, -5.2032, -2.0718

Details

The CIELCh color **49, 6.941, 235.379** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **48, 7.602, 52.569**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 7.167, 236.989**, and **29, 6.758, 233.703** is the 20% darker color. If you saturate the color by 10%, you get **47, 10.662, 236.522**, and if you desaturate by 10%, it is **51, 3.029, 234.496**.

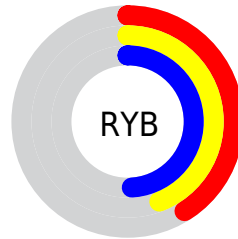
Distribution



Red (41%)

Green (47%)

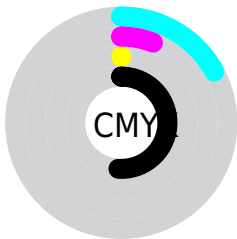
Blue (49%)



Red (41%)

Yellow (44%)

Blue (49%)

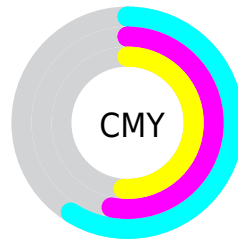


Cyan (17%)

Magenta (6%)

Yellow (0%)

Black (51%)



Cyan (59%)

Magenta (53%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 6.941, 235.379 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, 6.941, 235.379 by changing the saturation by 10% instead.

■ 49, 6.941, 235.379

■ 49, 6.941, 235.379

■ 100, 6.941,
235.379

■ 39, 6.941, 235.379

■ 69, 6.941, 235.379

■ 29, 6.941, 235.379

■ 79, 6.941, 235.379

■ 19, 6.941, 235.379

■ 89, 6.941, 235.379

■ 9, 6.941, 235.379

■ 99, 6.941, 235.379

■ 0, 6.941, 235.379

■ 49, 6.941, 235.379

■ 49, 6.941, 235.379

■ 47, 10.662,
236.522

■ 51, 3.029, 234.496

■ 45, 14.150,

■ 53, 1.034, 53.284

237.974

55, 5.215, 52.951

43, 17.364,
239.785

58, 9.484, 52.492

41, 20.271,
242.031

60, 13.815, 52.108

39, 22.850,
244.792

62, 18.188, 51.792

38, 25.106,
248.137

67, 26.996, 51.322

36, 27.082,
252.107

69, 31.407, 51.148

35, 28.908,
256.518

34, 29.390,
257.580

Harmonies

Complementary

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



49, 6.941, 235.379



48, 7.602, 52.569

Rectangle

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



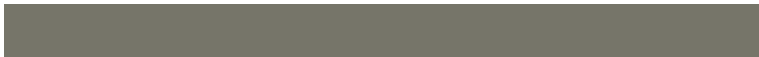
49, 6.941, 235.379



49, 6.941, 285.379



49, 6.941, 55.379



49, 6.941, 105.379

Sweetspot

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



49, 6.941, 235.369



66, 2.517, 234.356



51, 12.504, 153.731



34, 1.706, 234.385



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 6.941, 235.369



62, 10.224, 235.799



46, 10.761, 283.492



26, 2.301, 234.615



35, 29.687, 257.653



0, 0.000, 0.000

Inverse Universe

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



46, 12.591, 336.198



58, 18.747, 336.494



51, 10.542, 99.485



25, 4.081, 335.595



27, 54.929, 345.503



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 6.941, 235.379 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, 6.941, 235.379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

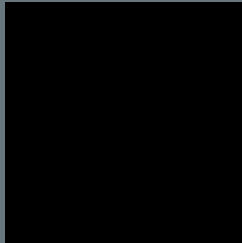
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

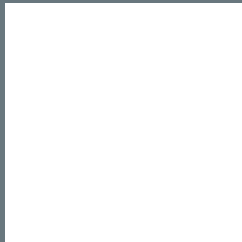
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 6.941, 235.379

Background



This preview shows how black text looks on a background with the CIELCh color 49, 6.941, 235.379.



This preview shows how white text looks on a background with the CIELCh color 49, 6.941, 235.379.

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

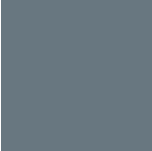
49, 6.941, 235.379

Protanopia

49, 4.702, 290.806

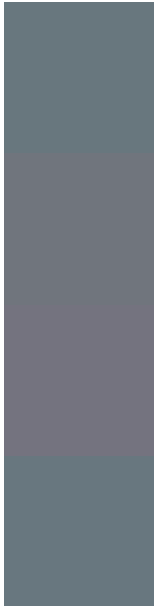
Deuteranopia

49, 9.171, 316.614



Tritanopia
49, 7.636, 242.937

Trichromacy



Original Color
49, 6.941, 235.379

Protanomaly
49, 5.047, 268.174

Deuteranomaly
49, 7.076, 294.259

Tritanomaly
49, 7.273, 239.335

Monochromacy



Original Color
49, 6.941, 235.379

Achromatopsia
48, 0.006, 296.813

Achromatomaly
49, 2.629, 241.611

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 6.941, 235.379 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(104, 119, 126)` looks like.

```
.text, #text, p{  
    color:rgb(104, 119, 126)  
}
```

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(104, 119, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 119, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 6.941, 235.379 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(104, 119, 126) }
```

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

```
.border{ border-color:rgb(104, 119, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 119, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 119, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 119, 126);  
box-shadow:4px 4px 4px 4px rgb(104, 119,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 6.941, 235.379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 119, 126) }
```

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

```
.background{ background-color: rgb(104,  
119, 126) }
```

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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