

Converting Colors

CIELCh(49, 22.341, 225.885)

Have a look what the booklet for
CIELCh(49, 22.341, 225.885)
contains.

CIELCh(49, 22.310, 226.194)	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, 22.310, 226.194)

Conversions

Conversions Part 1

Format	Color
Hex	3B7D8F
RGB	59, 125, 143
RGB Percent	23%, 49%, 56%
CMY	0.7684, 0.5096, 0.4390
CMYK	0.59, 0.13, 0.00, 0.44
HSL	193°, 42%, 40%
HSV	193°, 59%, 56%
XYZ	14.1069, 17.5941, 28.6568
YIQ	107.3180, -45.1140, -8.3940

Conversions

Conversions Part 2

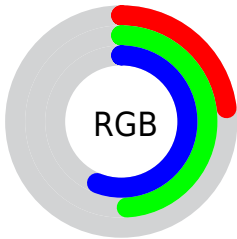
Format	Color
R_{YB}	59, 96, 143
Decimal	3898767
CIE _{Lab}	49.00, -15.44, -16.10
CIE _{LCh}	49, 22.310, 226.194
Yxy	17.5941, 0.2337, 0.2915
Android (android.graphics.Color)	4282088847 (0xFF3B7D8F)
YUV	107.3180, 17.5912, -42.3749
Hunter-Lab	41.9453, -13.3715, -11.1449

Details

The CIELCh color **49, 22.310, 226.194** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **40, 34.590, 41.451**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 22.348, 226.072**, and **29, 20.835, 229.203** is the 20% darker color. If you saturate the color by 10%, you get **48, 24.619, 228.161**, and if you desaturate by 10%, it is **51, 19.481, 224.660**.

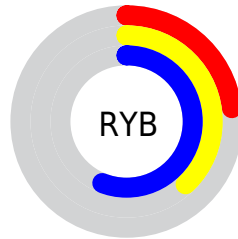
Distribution



Red (23%)

Green (49%)

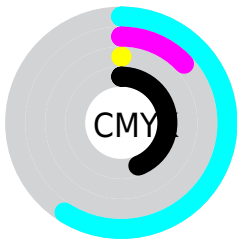
Blue (56%)



Red (23%)

Yellow (38%)

Blue (56%)

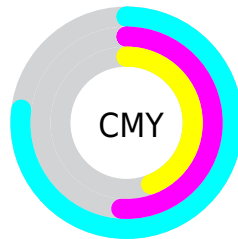


Cyan (59%)

Magenta (13%)

Yellow (0%)

Black (44%)



Cyan (77%)

Magenta (51%)

Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 22.310, 226.194 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, 22.310, 226.194 by changing the saturation by 10% instead.


 49, 22.310,
226.194


 49, 22.310,
226.194


 100, 22.310,
226.194


 39, 22.310,
226.194

 69, 22.310,
226.194


 29, 22.310,
226.194

 79, 22.310,
226.194

 19, 22.310,
226.194

 89, 22.310,
226.194

 9, 22.310, 226.194

 99, 22.310,
226.194

 0, 22.310, 226.194

 49, 22.310,

 49, 22.310,

226.194

■ 48, 24.619,
228.161

■ 46, 26.396,
230.647

■ 45, 27.671,
233.722

■ 44, 28.604,
237.286

■ 44, 28.727,
237.738

226.194

■ 51, 19.481,
224.660

■ 52, 16.175,
223.487

■ 54, 12.451,
222.607

■ 56, 8.371, 221.966

■ 58, 4.002, 221.546

■ 60, 0.599, 40.408

■ 62, 5.379, 40.814

■ 64, 10.294, 40.720

■ 66, 15.305, 40.670

Harmonies

Complementary

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



49, 22.310, 226.194



40, 34.590, 41.451

Rectangle

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



49, 22.310, 226.194



49, 22.310, 276.194



49, 22.310, 46.194



49, 22.310, 96.194

Sweetspot

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



49, 22.309, 226.193



71, 9.990, 221.948



53, 49.395, 145.127



37, 6.943, 222.095



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



49, 22.309, 226.193



61, 30.549, 228.792



37, 36.653, 284.560



29, 2.585, 221.559



41, 27.547, 237.502



1, 1.785, 221.163

Inverse Universe

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



39, 48.499, 334.980



47, 68.116, 335.996



51, 35.683, 86.198



28, 4.832, 331.562



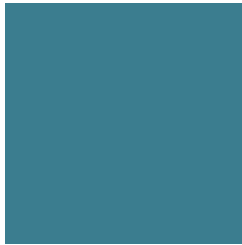
30, 61.339, 338.703



1, 3.242, 331.030

Previews

White Background



This preview shows how the CIELCh color 49, 22.310, 226.194 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, 22.310, 226.194 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

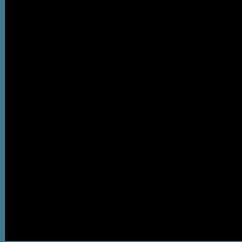
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 22.310, 226.194

Background



This preview shows how black text looks on a background with the CIELCh color 49, 22.310, 226.194.



This preview shows how white text looks on a background with the CIELCh color 49, 22.310, 226.194.

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, 22.310, 226.194

Protanopia

49, 12.375, 286.614

Deuteranopia

49, 18.818, 290.435



Tritanopia
49, 22.323, 212.729

Trichromacy



Original Color
49, 22.310, 226.194

Protanomaly
49, 14.599, 252.859

Deuteranomaly
49, 17.719, 263.246

Tritanomaly
49, 22.292, 217.646

Monochromacy



Original Color
49, 22.310, 226.194

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 9.573, 220.463

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 22.310, 226.194 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(59, 125, 143)` looks like.

```
.text, #text, p{  
    color:rgb(59, 125, 143)  
}
```

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(59, 125, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 125, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 22.310, 226.194 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(59, 125, 143) }
```

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

```
.border{ border-color:rgb(59, 125, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 125, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 125, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 125, 143);  
box-shadow:4px 4px 4px 4px rgb(59, 125,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 22.310, 226.194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 125, 143) }
```

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

```
.background{ background-color: rgb(59, 125,  
143) }
```

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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