

Converting Colors

CIELCh(49, 22.524, 223.715)

Have a look what the booklet for
CIELCh(49, 22.524, 223.715)
contains.

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Color

CIELCh(49, 22.530, 224.136)

Conversions

Conversions Part 1

Format	Color
Hex	397D8E
RGB	57, 125, 142
RGB Percent	22%, 49%, 56%
CMY	0.7750, 0.5085, 0.4418
CMYK	0.60, 0.12, 0.00, 0.44
HSL	192°, 43%, 39%
HSV	192°, 60%, 56%
XYZ	13.9912, 17.5941, 28.3815
YIQ	106.6060, -45.9850, -9.1290

Conversions

Conversions Part 2

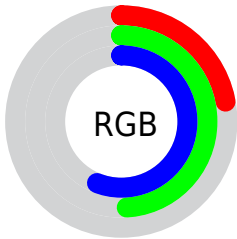
Format	Color
RYB	57, 95, 142
Decimal	3767694
CIELab	49.00, -16.17, -15.69
CIELCh	49, 22.530, 224.136
Yxy	17.5941, 0.2333, 0.2934
Android (android.graphics.Color)	4281957774 (0xFF397D8E)
YUV	106.6060, 17.4492, -43.5045
Hunter-Lab	41.9453, -13.8641, -10.7558




Details

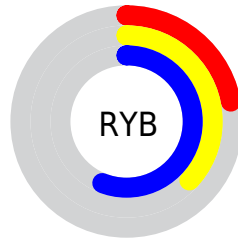
The CIELCh color **49, 22.530, 224.136** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **40, 35.424, 40.363**, and the grayscale version is **45, 0.006, 296.813**.




A 20% lighter version of the original color is **69, 22.647, 224.054**, and **29, 20.671, 227.341** is the 20% darker color. If you saturate the color by 10%, you get **48, 24.745, 225.988**, and if you desaturate by 10%, it is **50, 19.778, 222.700**.

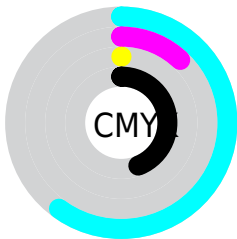
Distribution







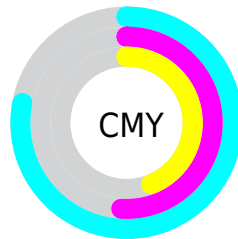
-  Red (22%)
-  Green (49%)
-  Blue (56%)






-  Red (22%)
-  Yellow (37%)
-  Blue (56%)



-  Cyan (60%)
-  Magenta (12%)
-  Yellow (0%)
-  Black (44%)




-  Cyan (78%)
-  Magenta (51%)
-  Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 22.530, 224.136 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, 22.530, 224.136 by changing the saturation by 10% instead.


 49, 22.530,
224.136


 49, 22.530,
224.136

 100, 22.530,
224.136

 39, 22.530,
224.136

 69, 22.530,
224.136


 29, 22.530,
224.136

 79, 22.530,
224.136

 19, 22.530,
224.136

 89, 22.530,
224.136

 9, 22.530, 224.136

 99, 22.530,
224.136

 0, 22.530, 224.136

 49, 22.530,

 49, 22.530,

224.136

■ 48, 24.745,
225.988

■ 46, 26.412,
228.338

■ 45, 27.560,
231.255

■ 44, 28.385,
234.598

■ 44, 28.411,
234.700

224.136

■ 50, 19.778,
222.700

■ 52, 16.533,
221.611

■ 54, 12.852,
220.804

■ 55, 8.803, 220.226

■ 57, 4.451, 219.857

■ 59, 0.143, 36.534

■ 61, 4.924, 39.231

■ 63, 9.847, 39.189

■ 65, 14.871, 39.183

Harmonies

Complementary

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



49, 22.530, 224.136



40, 35.424, 40.363

Rectangle

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



49, 22.530, 224.136



49, 22.530, 274.136



49, 22.530, 44.136



49, 22.530, 94.136

Sweetspot

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



49, 22.529, 224.135



71, 10.054, 220.166



53, 49.917, 145.000



37, 6.987, 220.292



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, 22.529, 224.135



61, 31.014, 226.832



36, 37.152, 284.821



29, 2.603, 219.845



42, 27.351, 234.497



1, 1.798, 219.509

Inverse Universe

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



38, 49.421, 334.456



46, 69.983, 335.514



50, 36.116, 86.065



28, 4.881, 331.056



30, 61.969, 337.859



1, 3.276, 330.531

Previews

White Background



This preview shows how the CIELCh color 49, 22.530, 224.136 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, 22.530, 224.136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

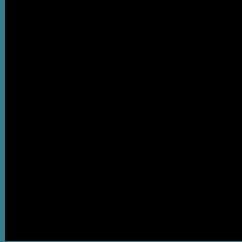
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 22.530, 224.136

Background



This preview shows how black text looks on a background with the CIELCh color 49, 22.530, 224.136.

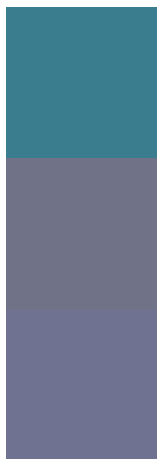


This preview shows how white text looks on a background with the CIELCh color 49, 22.530, 224.136.

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, 22.530, 224.136

Protanopia

49, 11.792, 286.261

Deuteranopia

49, 18.233, 290.284



Tritanopia
49, 22.563, 214.135

Trichromacy



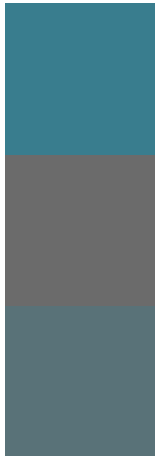
Original Color
49, 22.530, 224.136

Protanomaly
49, 14.372, 250.155

Deuteranomaly
49, 17.374, 261.194

Tritanomaly
49, 22.489, 217.444

Monochromacy



Original Color
49, 22.530, 224.136

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 9.896, 219.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 22.530, 224.136 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(57, 125, 142)` looks like.

```
.text, #text, p{  
    color:rgb(57, 125, 142)  
}
```

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(57, 125, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 125, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 22.530, 224.136 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(57, 125, 142) }
```

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

```
.border{ border-color:rgb(57, 125, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 125, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 125, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 125, 142);  
box-shadow:4px 4px 4px 4px rgb(57, 125,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 22.530, 224.136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 125, 142) }
```

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

```
.background{ background-color: rgb(57, 125,  
142) }
```

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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