

Converting Colors

CIELCh(49, 22.527, 220.051)

Have a look what the booklet for
CIELCh(49, 22.527, 220.051)
contains.

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Color

CIELCh(49, 22.575, 218.998)

Conversions

Conversions Part 1

Format	Color
Hex	387E8C
RGB	56, 126, 140
RGB Percent	22%, 49%, 55%
CMY	0.7812, 0.5066, 0.4518
CMYK	0.60, 0.10, 0.00, 0.45
HSL	190°, 43%, 38%
HSV	190°, 60%, 55%
XYZ	13.7737, 17.5941, 27.4047
YIQ	106.6660, -46.2140, -10.4860

Conversions

Conversions Part 2

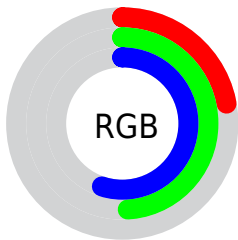
Format	Color
RYB	56, 94, 140
Decimal	3702412
CIELab	49.00, -17.54, -14.21
CIElCh	49, 22.575, 218.998
Yxy	17.5941, 0.2344, 0.2994
Android (android.graphics.Color)	4281892492 (0xFF387E8C)
YUV	106.6660, 16.4337, -44.4341
Hunter-Lab	41.9453, -14.7896, -9.3751

Details

The CIELCh color **49, 22.575, 218.998** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **38, 35.900, 37.785**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 22.717, 219.292**, and **30, 20.467, 221.330** is the 20% darker color. If you saturate the color by 10%, you get **48, 24.691, 220.469**, and if you desaturate by 10%, it is **50, 19.895, 217.880**.

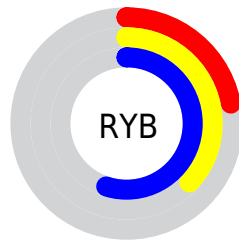
Distribution



Red (22%)

Green (49%)

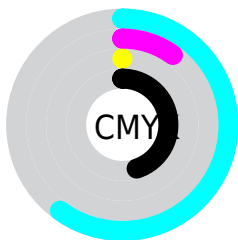
Blue (55%)



Red (22%)

Yellow (37%)

Blue (55%)

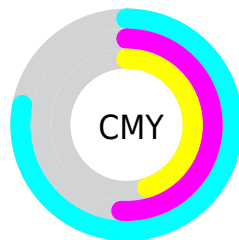


Cyan (60%)

Magenta (10%)

Yellow (0%)

Black (45%)



Cyan (78%)

Magenta (51%)

Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 22.575, 218.998 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, 22.575, 218.998 by changing the saturation by 10% instead.

 49, 22.575,
218.998


 49, 22.575,
218.998

 100, 22.575,
218.998

 39, 22.575,
218.998

 69, 22.575,
218.998


 29, 22.575,
218.998

 79, 22.575,
218.998

 19, 22.575,
218.998

 89, 22.575,
218.998

 9, 22.575, 218.998

 99, 22.575,
218.998

 0, 22.575, 218.998

 49, 22.575,

 49, 22.575,

218.998

■ 48, 24.691,
220.469

■ 47, 26.229,
222.364

■ 46, 27.211,
224.745

■ 45, 27.840,
227.455

218.998

■ 50, 19.895,
217.880

■ 52, 16.699,
217.057

■ 53, 13.047,
216.476

■ 55, 9.009, 216.093

■ 56, 4.655, 215.890

■ 58, 0.048, 224.535

■ 60, 4.756, 35.551

■ 62, 9.706, 35.635

■ 64, 14.762, 35.743

Harmonies

Complementary

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



49, 22.575, 218.998



38, 35.900, 37.785

Rectangle

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



49, 22.575, 218.998



49, 22.575, 268.998



49, 22.575, 38.998



49, 22.575, 88.998

Sweetspot

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



49, 22.575, 218.997



70, 10.016, 216.045



52, 51.293, 143.417



36, 6.960, 216.120



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



49, 22.575, 218.997



61, 30.576, 221.068



36, 34.323, 281.332



28, 2.575, 215.883



43, 26.792, 227.280



1, 1.223, 215.690

Inverse Universe

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



38, 50.094, 333.116



45, 70.031, 334.013



48, 34.749, 81.889



27, 4.849, 329.894



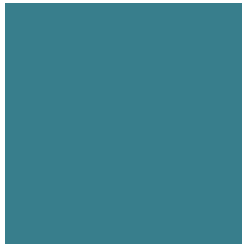
30, 62.663, 335.935



0, 2.237, 329.385

Previews

White Background



This preview shows how the CIE LCh color 49, 22.575, 218.998 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, 22.575, 218.998 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

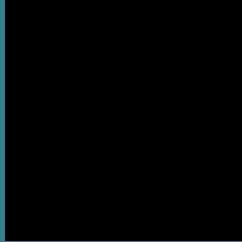
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

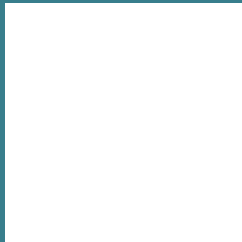
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 22.575, 218.998

Background



This preview shows how black text looks on a background with the CIELCh color 49, 22.575, 218.998.

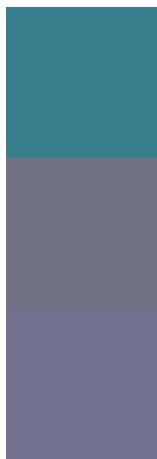


This preview shows how white text looks on a background with the CIELCh color 49, 22.575, 218.998.

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, 22.575, 218.998

Protanopia

49, 10.598, 287.484

Deuteranopia

49, 17.681, 293.659



Tritanopia
49, 22.760, 213.968

Trichromacy



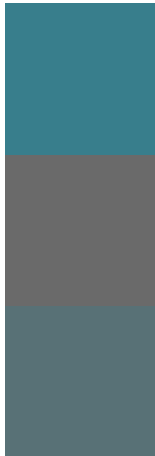
Original Color
49, 22.575, 218.998

Protanomaly
49, 13.192, 244.509

Deuteranomaly
49, 16.263, 259.702

Tritanomaly
49, 22.616, 215.696

Monochromacy



Original Color
49, 22.575, 218.998

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 9.763, 216.269

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 22.575, 218.998 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(56, 126, 140)` looks like.

```
.text, #text, p{  
    color:rgb(56, 126, 140)  
}
```

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(56, 126, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 126, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 22.575, 218.998 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(56, 126, 140) }
```

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

```
.border{ border-color:rgb(56, 126, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 126, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 126, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 126, 140);  
box-shadow:4px 4px 4px 4px rgb(56, 126,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 22.575, 218.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 126, 140) }
```

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

```
.background{ background-color: rgb(56, 126,  
140) }
```

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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