

Converting Colors

CIELCh(49, 22.232, 198.684)

Have a look what the booklet for
CIELCh(49, 22.232, 198.684)
contains.

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Color

CIELCh(49, 22.217, 198.676)

Conversions

Conversions Part 1

Format	Color
Hex	3B7F80
RGB	59, 127, 128
RGB Percent	23%, 50%, 50%
CMY	0.7696, 0.5029, 0.4989
CMYK	0.54, 0.01, 0.00, 0.50
HSL	181°, 37%, 37%
HSV	181°, 54%, 50%
XYZ	13.2299, 17.5941, 23.0417
YIQ	106.7820, -40.8490, -14.1050

Conversions

Conversions Part 2

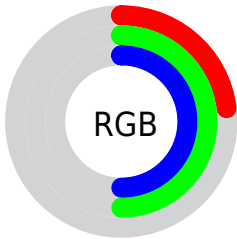
Format	Color
RYB	59, 93, 128
Decimal	3899264
CIELab	49.00, -21.05, -7.11
CIElCh	49, 22.217, 198.676
Yxy	17.5941, 0.2456, 0.3266
Android (android.graphics.Color)	4282089344 (0xFF3B7F80)
YUV	106.7820, 10.4605, -41.9048
Hunter-Lab	41.9453, -17.1037, -3.2080

Details

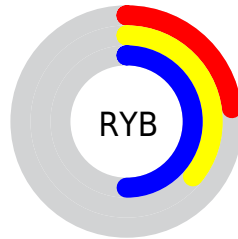
The CIELCh color **49, 22.217, 198.676** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **34, 32.676, 26.412**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 22.135, 199.087**, and **29, 21.079, 198.194** is the 20% darker color. If you saturate the color by 10%, you get **49, 24.815, 198.515**, and if you desaturate by 10%, it is **50, 19.053, 198.910**.

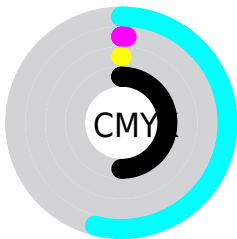
Distribution



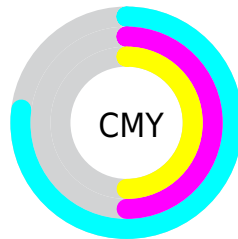
- Red (23%)
- Green (50%)
- Blue (50%)



- Red (23%)
- Yellow (36%)
- Blue (50%)



- Cyan (54%)
- Magenta (1%)
- Yellow (0%)
- Black (50%)



- Cyan (77%)
- Magenta (50%)
- Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 22.217, 198.676 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, 22.217, 198.676 by changing the saturation by 10% instead.

 49, 22.217,
198.676


 49, 22.217,
198.676

 100, 22.217,
198.676

 39, 22.217,
198.676

 69, 22.217,
198.676

 29, 22.217,
198.676


 79, 22.217,
198.676

 19, 22.217,
198.676

 89, 22.217,
198.676

 9, 22.217, 198.676

 99, 22.217,
198.676

 0, 22.217, 198.676

 49, 22.217,

 49, 22.217,

198.676

■ 49, 24.815,
198.515

■ 48, 26.813,
198.436

■ 48, 28.207,
198.441

■ 48, 29.038,
198.526

■ 48, 29.431,
198.590

198.676

■ 50, 19.053,
198.910

■ 50, 15.377,
199.218

■ 51, 11.257,
199.592

■ 52, 6.769, 200.032

■ 53, 1.986, 200.635

■ 54, 3.023, 20.801

■ 55, 8.197, 21.410

■ 57, 13.482, 21.974

■ 58, 18.837, 22.542

Harmonies

Complementary

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



49, 22.217, 198.676



34, 32.676, 26.412

Rectangle

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



49, 22.217, 198.676



49, 22.217, 248.676



49, 22.217, 18.676



49, 22.217, 68.676

Sweetspot

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



49, 22.217, 198.674



66, 9.499, 199.921



48, 47.923, 140.143



34, 6.432, 199.844



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 22.217, 198.674



62, 30.674, 198.487



38, 23.235, 265.461



26, 2.752, 200.285



47, 29.386, 198.590



0, 0.000, 0.000

Inverse Universe

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



36, 47.170, 327.547



44, 67.502, 328.031



42, 27.024, 68.910



25, 5.052, 325.286



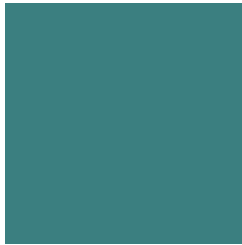
30, 68.375, 328.797



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 22.217, 198.676 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, 22.217, 198.676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

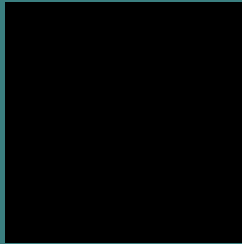
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 22.217, 198.676

Background



This preview shows how black text looks on a background with the CIELCh color 49, 22.217, 198.676.

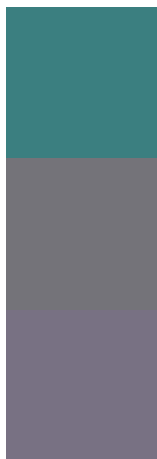


This preview shows how white text looks on a background with the CIELCh color 49, 22.217, 198.676.

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, 22.217, 198.676

Protanopia

49, 3.561, 297.052

Deuteranopia

49, 10.979, 305.787



Tritanopia
49, 21.041, 213.807

Trichromacy



Original Color
49, 22.217, 198.676

Protanomaly
48, 9.265, 213.307

Deuteranomaly
48, 10.046, 243.743

Tritanomaly
49, 21.196, 208.643

Monochromacy



Original Color
49, 22.217, 198.676

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 9.540, 201.961

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 22.217, 198.676 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, 127, 128)` looks like.

```
.text, #text, p{  
    color:rgb(59, 127, 128)  
}
```

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, 127, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 127, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 22.217, 198.676 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, 127, 128) }
```

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

```
.border{ border-color:rgb(59, 127, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 127, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 127, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 127, 128);  
box-shadow:4px 4px 4px 4px rgb(59, 127,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 22.217, 198.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 127, 128) }
```

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

```
.background{ background-color: rgb(59, 127,  
128) }
```

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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