

Converting Colors

CIELCh(49, 24.084, 196.690)

Have a look what the booklet for
CIELCh(49, 24.084, 196.690)
contains.

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Color

CIELCh(49, 24.232, 195.537)

Conversions

Conversions Part 1

Format	Color
Hex	34807F
RGB	52, 128, 127
RGB Percent	20%, 50%, 50%
CMY	0.7976, 0.4994, 0.5033
CMYK	0.60, 0.00, 0.01, 0.50
HSL	179°, 42%, 35%
HSV	179°, 60%, 50%
XYZ	12.8809, 17.5941, 22.6820
YIQ	105.1620, -44.9750, -16.4230

Conversions

Conversions Part 2

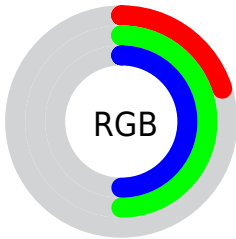
Format	Color
RYB	52, 90, 128
Decimal	3440767
CIELab	49.00, -23.35, -6.49
CIELCh	49, 24.232, 195.537
Yxy	17.5941, 0.2423, 0.3310
Android (android.graphics.Color)	4281630847 (0xFF34807F)
YUV	105.1620, 10.7661, -46.6231
Hunter-Lab	41.9453, -18.5892, -2.6996

Details

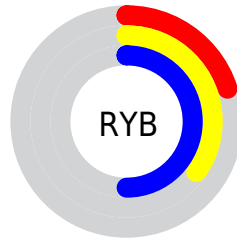
The CIELCh color **49, 24.232, 195.537** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **32, 36.697, 25.876**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 24.196, 196.173**, and **29, 21.245, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **49, 26.588, 195.211**, and if you desaturate by 10%, it is **49, 21.288, 195.906**.

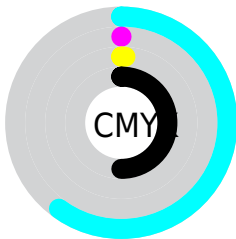
Distribution



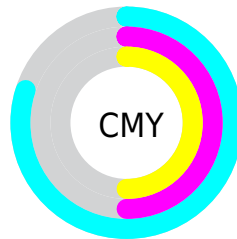
- Red (20%)
- Green (50%)
- Blue (50%)



- Red (20%)
- Yellow (35%)
- Blue (50%)



- Cyan (60%)
- Magenta (0%)
- Yellow (1%)
- Black (50%)




- Cyan (80%)
- Magenta (50%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 24.232, 195.537 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, 24.232, 195.537 by changing the saturation by 10% instead.

 49, 24.232,
195.537


 49, 24.232,
195.537


 100, 24.232,
195.537


 39, 24.232,
195.537

 69, 24.232,
195.537

 29, 24.232,
195.537

 79, 24.232,
195.537

 19, 24.232,
195.537

 89, 24.232,
195.537

 9, 24.232, 195.537

 99, 24.232,
195.537

 0, 24.232, 195.537

 49, 24.232,

 49, 24.232,

195.537

195.537

■ 49, 26.588,
195.211

■ 49, 21.288,
195.906

■ 48, 28.338,
194.929

■ 50, 17.800,
196.322

■ 48, 29.496,
194.684

■ 51, 13.831,
196.784

■ 48, 30.257,
194.463

■ 52, 9.454, 197.292

■ 48, 30.289,
194.454

■ 52, 4.746, 197.863

■ 54, 0.222, 16.552

■ 55, 5.380, 18.846

■ 56, 10.671, 19.480

■ 57, 16.045, 20.102

Harmonies

Complementary

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



49, 24.232, 195.537



32, 36.697, 25.876

Rectangle

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



49, 24.232, 195.537



49, 24.232, 245.537



49, 24.232, 15.537



49, 24.232, 65.537

Sweetspot

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



49, 24.232, 195.535



66, 10.803, 197.354



47, 51.946, 139.247



34, 7.510, 197.220



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, 24.232, 195.535



62, 32.898, 195.119



37, 24.922, 265.190



26, 2.796, 197.893



48, 30.261, 194.454



0, 0.000, 0.000

Inverse Universe

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



32, 36.697, 25.876



39, 55.217, 29.556



41, 30.017, 66.592



25, 2.950, 18.811



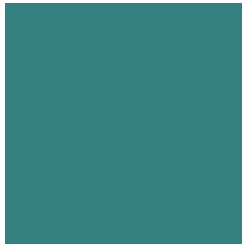
25, 60.711, 37.832



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 24.232, 195.537 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, 24.232, 195.537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

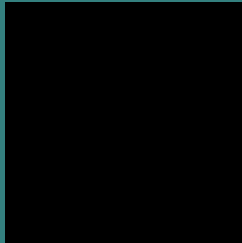
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 24.232, 195.537

Background



This preview shows how black text looks on a background with the CIELCh color 49, 24.232, 195.537.



This preview shows how white text looks on a background with the CIELCh color 49, 24.232, 195.537.

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, 24.232, 195.537

Protanopia

49, 2.499, 309.175

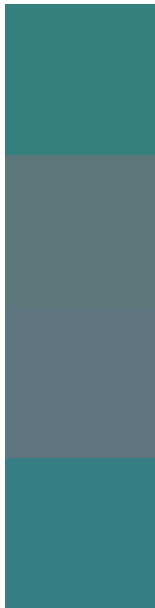
Deuteranopia

49, 10.412, 306.559



Tritanopia
49, 22.323, 212.729

Trichromacy



Original Color
49, 24.232, 195.537

Protanomaly
48, 10.181, 205.032

Deuteranomaly
48, 10.474, 237.123

Tritanomaly
49, 22.971, 206.071

Monochromacy



Original Color
49, 24.232, 195.537

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 10.295, 198.265

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 24.232, 195.537 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(52, 128, 127)` looks like.

```
.text, #text, p{  
    color:rgb(52, 128, 127)  
}
```

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(52, 128, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 128, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 24.232, 195.537 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(52, 128, 127) }
```

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

```
.border{ border-color:rgb(52, 128, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 128, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 128, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 128, 127);  
box-shadow:4px 4px 4px 4px rgb(52, 128,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 24.232, 195.537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 128, 127) }
```

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

```
.background{ background-color: rgb(52, 128,  
127) }
```

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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