

Converting Colors

CIELCh(49, 20.957, 215.700)

Have a look what the booklet for
CIELCh(49, 20.957, 215.700)
contains.

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Color

CIELCh(49, 20.864, 215.717)

Conversions

Conversions Part 1

Format	Color
Hex	3E7D88
RGB	62, 125, 136
RGB Percent	24%, 49%, 53%
CMY	0.7552, 0.5082, 0.4651
CMYK	0.54, 0.08, 0.00, 0.47
HSL	189°, 37%, 39%
HSV	189°, 54%, 53%
XYZ	13.8691, 17.5941, 26.1065
YIQ	107.4170, -41.0790, -9.9350

Conversions

Conversions Part 2

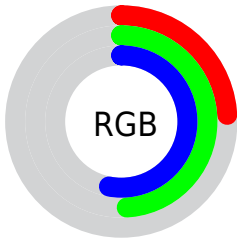
Format	Color
RYB	62, 96, 136
Decimal	4095368
CIELab	49.00, -16.94, -12.18
CIElCh	49, 20.864, 215.717
Yxy	17.5941, 0.2409, 0.3056
Android (android.graphics.Color)	4282285448 (0xFF3E7D88)
YUV	107.4170, 14.0914, -39.8307
Hunter-Lab	41.9453, -14.3837, -7.5401

Details

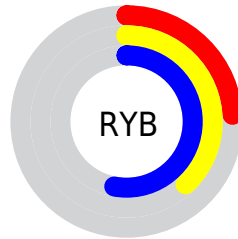
The CIELCh color **49, 20.864, 215.717** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **39, 31.444, 35.821**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 20.817, 214.918**, and **29, 20.117, 215.725** is the 20% darker color. If you saturate the color by 10%, you get **48, 23.273, 216.777**, and if you desaturate by 10%, it is **50, 17.914, 214.939**.

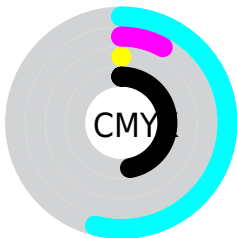
Distribution



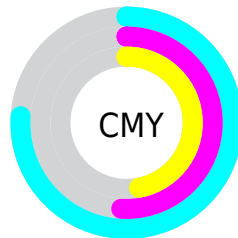
- Red (24%)
- Green (49%)
- Blue (53%)



- Red (24%)
- Yellow (38%)
- Blue (53%)



- Cyan (54%)
- Magenta (8%)
- Yellow (0%)
- Black (47%)



- Cyan (76%)
- Magenta (51%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 20.864, 215.717 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, 20.864, 215.717 by changing the saturation by 10% instead.


 49, 20.864,
215.717


 49, 20.864,
215.717


 100, 20.864,
215.717

 39, 20.864,
215.717

 69, 20.864,
215.717


 29, 20.864,
215.717

 79, 20.864,
215.717

 19, 20.864,
215.717

 89, 20.864,
215.717

 9, 20.864, 215.717

 99, 20.864,
215.717

 0, 20.864, 215.717

 49, 20.864,

 49, 20.864,

215.717

■ 48, 23.273,
216.777

■ 47, 25.107,
218.181

■ 46, 26.359,
219.986

■ 45, 27.076,
222.236

■ 45, 27.404,
223.607

215.717

■ 50, 17.914,
214.939

■ 52, 14.481,
214.397

■ 53, 10.632,
214.050

■ 55, 6.438, 213.868

■ 56, 1.964, 213.928

■ 58, 2.727, 33.570

■ 60, 7.585, 33.747

■ 61, 12.563, 33.903

■ 63, 17.625, 34.089

Harmonies

Complementary

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



49, 20.864, 215.717



39, 31.444, 35.821

Rectangle

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



49, 20.864, 215.717



49, 20.864, 265.717



49, 20.864, 35.717



49, 20.864, 85.717

Sweetspot

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



49, 20.864, 215.715



70, 8.960, 213.893



51, 46.423, 143.675



36, 5.995, 213.919



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



49, 20.864, 215.715



62, 28.912, 217.058



38, 29.512, 278.358



28, 2.607, 213.845



43, 26.851, 223.524



1, 1.238, 213.726

Inverse Universe

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



38, 45.611, 332.052



46, 65.425, 332.807



48, 30.369, 81.308



27, 4.910, 329.301



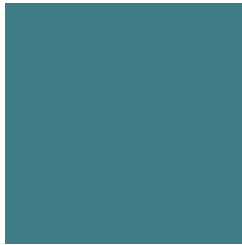
30, 63.504, 334.975



0, 2.265, 328.799

Previews

White Background



This preview shows how the CIELCh color 49, 20.864, 215.717 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, 20.864, 215.717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

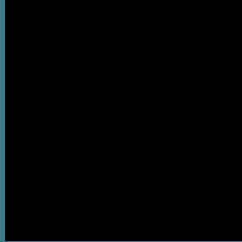
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 49, 20.864, 215.717

Background



This preview shows how black text looks on a background with the CIELCh color 49, 20.864, 215.717.

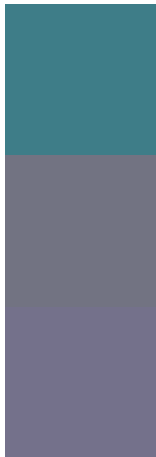


This preview shows how white text looks on a background with the CIELCh color 49, 20.864, 215.717.

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, 20.864, 215.717

Protanopia
49, 8.825, 288.858

Deuteranopia
49, 15.378, 296.331



Tritanopia
49, 21.041, 213.807

Trichromacy



Original Color
49, 20.864, 215.717

Protanomaly
49, 11.393, 241.115

Deuteranomaly
49, 13.706, 258.516

Tritanomaly
49, 21.041, 213.807

Monochromacy



Original Color
49, 20.864, 215.717

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 8.967, 213.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 20.864, 215.717 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(62, 125, 136)` looks like.

```
.text, #text, p{  
    color:rgb(62, 125, 136)  
}
```

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(62, 125, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 125, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 20.864, 215.717 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(62, 125, 136) }
```

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

```
.border{ border-color:rgb(62, 125, 136) }
```

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

Here you see how a box with a 4 pixel rgb(62, 125, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 125, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 125, 136);  
box-shadow:4px 4px 4px 4px rgb(62, 125,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 20.864, 215.717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 125, 136) }
```

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

```
.background{ background-color: rgb(62, 125,  
136) }
```

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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