

Converting Colors

CIELCh(49, 21.294, 246.960)

Have a look what the booklet for
CIELCh(49, 21.294, 246.960)
contains.

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Color

CIELCh(49, 21.210, 247.211)

Conversions

Conversions Part 1

Format	Color
Hex	4B7A95
RGB	75, 122, 149
RGB Percent	29%, 48%, 58%
CMY	0.7058, 0.5214, 0.4156
CMYK	0.50, 0.18, 0.00, 0.42
HSL	202°, 33%, 44%
HSV	202°, 50%, 58%
XYZ	15.2943, 17.5941, 31.0362
YIQ	111.0250, -36.6790, -1.5670

Conversions

Conversions Part 2

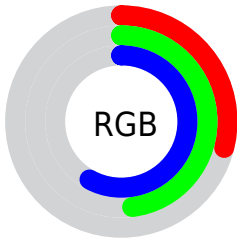
Format	Color
R_{YB}	75, 104, 149
Decimal	4946581
CIE _{Lab}	49.00, -8.22, -19.55
CIE _{LCh}	49, 21.210, 247.211
Yxy	17.5941, 0.2393, 0.2752
Android (android.graphics.Color)	4283136661 (0xFF4B7A95)
YUV	111.0250, 18.7217, -31.5939
Hunter-Lab	41.9453, -8.3188, -14.5082

Details

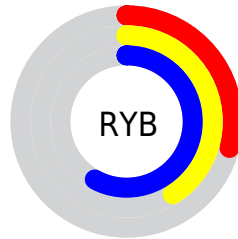
The CIELCh color **49, 21.210, 247.211** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **48, 27.674, 55.596**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 21.234, 247.610**, and **29, 21.234, 247.903** is the 20% darker color. If you saturate the color by 10%, you get **47, 24.716, 249.890**, and if you desaturate by 10%, it is **51, 17.404, 245.014**.

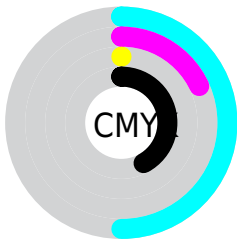
Distribution



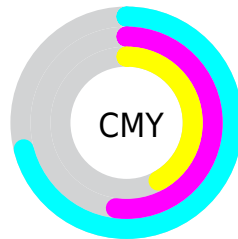
- Red (29%)
- Green (48%)
- Blue (58%)



- Red (29%)
- Yellow (41%)
- Blue (58%)



- Cyan (50%)
- Magenta (18%)
- Yellow (0%)
- Black (42%)





- Cyan (71%)
- Magenta (52%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 21.210, 247.211 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, 21.210, 247.211 by changing the saturation by 10% instead.


 49, 21.210,
247.211


 49, 21.210,
247.211


 100, 21.210,
247.211


 39, 21.210,
247.211

 69, 21.210,
247.211


 29, 21.210,
247.211

 79, 21.210,
247.211

 19, 21.210,
247.211

 89, 21.210,
247.211

 9, 21.210, 247.211

 99, 21.210,
247.211

 0, 21.210, 247.211

 49, 21.210,

 49, 21.210,

247.211

247.211

■ 47, 24.716,
249.890

■ 51, 17.404,
245.014

■ 44, 27.921,
253.125

■ 54, 13.325,
243.227

■ 42, 30.854,
256.963

■ 57, 9.012, 241.779

■ 40, 33.589,
261.390

■ 59, 4.503, 240.629

■ 62, 0.160, 57.222

■ 38, 36.296,
266.099

■ 65, 4.942, 58.691

■ 38, 36.394,
266.254

■ 67, 9.811, 58.065

■ 70, 14.741, 57.525

■ 73, 19.710, 57.068

Harmonies

Complementary

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



49, 21.210, 247.211



48, 27.674, 55.596

Rectangle

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



49, 21.210, 247.211



49, 21.210, 297.211



49, 21.210, 67.211



49, 21.210, 117.211

Sweetspot

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



49, 21.209, 247.210



73, 8.588, 241.243



56, 39.030, 151.727



38, 5.823, 241.471



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



49, 21.209, 247.210



60, 30.643, 250.358



38, 38.558, 290.962



30, 2.621, 240.584



35, 34.191, 265.854



1, 2.325, 239.615

Inverse Universe

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



43, 39.300, 341.196



51, 57.167, 342.521



57, 35.285, 97.786



29, 4.468, 337.646



30, 56.471, 349.241



1, 3.876, 337.030

Previews

White Background



This preview shows how the CIELCh color 49, 21.210, 247.211 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, 21.210, 247.211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

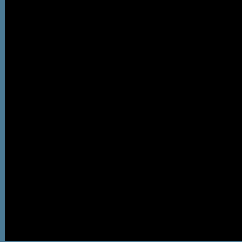
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

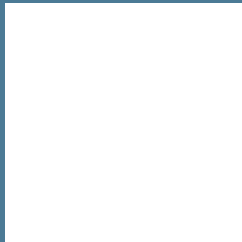
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 49, 21.210, 247.211

Background



This preview shows how black text looks on a background with the CIELCh color 49, 21.210, 247.211.

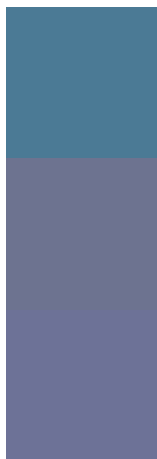


This preview shows how white text looks on a background with the CIELCh color 49, 21.210, 247.211.

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, 21.210, 247.211

Protanopia
49, 17.126, 285.169

Deuteranopia
49, 21.778, 288.394



Tritanopia
49, 18.914, 215.911

Trichromacy



Original Color
49, 21.210, 247.211

Protanomaly
49, 17.708, 268.067

Deuteranomaly
49, 20.285, 273.083

Tritanomaly
49, 19.034, 227.740

Monochromacy



Original Color
49, 21.210, 247.211

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 8.569, 242.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 21.210, 247.211 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(75, 122, 149)` looks like.

```
.text, #text, p{  
    color:rgb(75, 122, 149)  
}
```

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(75, 122, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 122, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 21.210, 247.211 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(75, 122, 149) }
```

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

```
.border{ border-color:rgb(75, 122, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 122, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 122, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 122, 149);  
box-shadow:4px 4px 4px 4px rgb(75, 122,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 21.210, 247.211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 122, 149) }
```

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

```
.background{ background-color: rgb(75, 122,  
149) }
```

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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