

Converting Colors

CIELCh(49, 21.281, 197.241)

Have a look what the booklet for
CIELCh(49, 21.281, 197.241)
contains.

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Color

CIELCh(49, 21.109, 197.234)

Conversions

Conversions Part 1

Format	Color
Hex	3F7E7E
RGB	63, 126, 126
RGB Percent	25%, 49%, 49%
CMY	0.7515, 0.5045, 0.5045
CMYK	0.50, 0.00, 0.00, 0.50
HSL	180°, 33%, 37%
HSV	180°, 50%, 50%
XYZ	13.3661, 17.5941, 22.5464
YIQ	107.1630, -37.5480, -13.3560

Conversions

Conversions Part 2

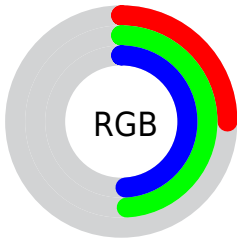
Format	Color
RYB	63, 95, 126
Decimal	4161150
CIELab	49.00, -20.16, -6.25
CIELCh	49, 21.109, 197.234
Yxy	17.5941, 0.2498, 0.3288
Android (android.graphics.Color)	4282351230 (0xFF3F7E7E)
YUV	107.1630, 9.2866, -38.7310
Hunter-Lab	41.9453, -16.5242, -2.5079

Details

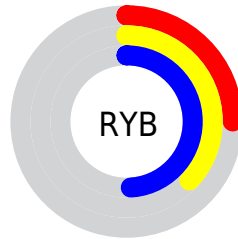
The CIELCh color **49, 21.109, 197.234** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 29.877, 24.696**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 21.091, 197.722**, and **29, 21.060, 196.386** is the 20% darker color. If you saturate the color by 10%, you get **49, 23.980, 196.946**, and if you desaturate by 10%, it is **50, 17.694, 197.578**.

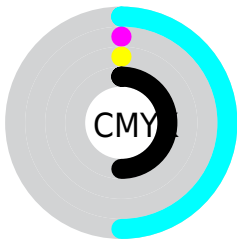
Distribution



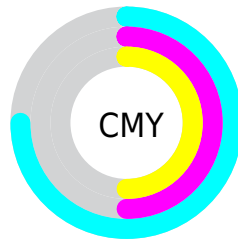
- Red (25%)
- Green (49%)
- Blue (49%)



- Red (25%)
- Yellow (37%)
- Blue (49%)



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



- Cyan (75%)
- Magenta (50%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 21.109, 197.234 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, 21.109, 197.234 by changing the saturation by 10% instead.


 49, 21.109,
197.234


 49, 21.109,
197.234


 100, 21.109,
197.234


 39, 21.109,
197.234

 69, 21.109,
197.234


 29, 21.109,
197.234

 79, 21.109,
197.234

 19, 21.109,
197.234

 89, 21.109,
197.234

 9, 21.109, 197.234

 99, 21.109,
197.234

 0, 21.109, 197.234

 49, 21.109,

 49, 21.109,

197.234

197.234

■ 49, 23.980,
196.946

■ 50, 17.694,
197.578

■ 48, 26.265,
196.720

■ 50, 13.796,
197.981

■ 48, 27.949,
196.556

■ 51, 9.486, 198.439

■ 48, 29.050,
196.449

■ 52, 4.837, 198.967

■ 53, 0.076, 14.219

■ 48, 29.773,
196.379

■ 54, 5.187, 19.885

■ 48, 29.784,
196.378

■ 55, 10.438, 20.496

■ 57, 15.778, 21.097

■ 58, 21.169, 21.702

Harmonies

Complementary

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



49, 21.109, 197.234



35, 29.877, 24.696

Rectangle

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



49, 21.109, 197.234



49, 21.109, 247.234



49, 21.109, 17.234



49, 21.109, 67.234

Sweetspot

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



49, 21.109, 197.232



65, 8.952, 198.666



48, 43.950, 140.254



33, 6.047, 198.578



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



49, 21.109, 197.232



62, 29.365, 196.907



39, 20.902, 262.422



26, 2.793, 199.011



48, 29.979, 196.378



0, 0.000, 0.000

Inverse Universe

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



35, 29.877, 24.696



41, 45.595, 27.213



42, 24.385, 67.758



25, 2.951, 19.870



25, 61.099, 38.344



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 21.109, 197.234 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, 21.109, 197.234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

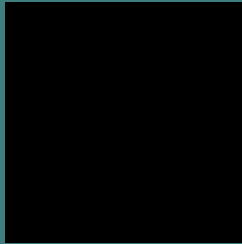
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 21.109, 197.234

Background



This preview shows how black text looks on a background with the CIELCh color 49, 21.109, 197.234.



This preview shows how white text looks on a background with the CIELCh color 49, 21.109, 197.234.

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, 21.109, 197.234

Protanopia

49, 3.061, 305.677

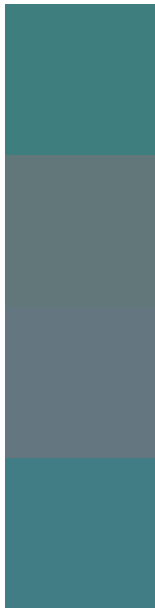
Deuteranopia

49, 9.964, 309.599



Tritanopia
49, 19.881, 214.909

Trichromacy



Original Color
49, 21.109, 197.234

Protanomaly
48, 8.488, 210.629

Deuteranomaly
49, 8.801, 241.020

Tritanomaly
49, 20.005, 209.441

Monochromacy



Original Color
49, 21.109, 197.234

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 8.847, 198.447

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 21.109, 197.234 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(63, 126, 126)` looks like.

```
.text, #text, p{  
    color:rgb(63, 126, 126)  
}
```

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(63, 126, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 126, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 21.109, 197.234 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(63, 126, 126) }
```

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

```
.border{ border-color:rgb(63, 126, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 126, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 126, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 126, 126);  
box-shadow:4px 4px 4px 4px rgb(63, 126,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 21.109, 197.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 126, 126) }
```

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

```
.background{ background-color: rgb(63, 126,  
126) }
```

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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