

Converting Colors

CIELCh(47, 21.231, 235.911)

Have a look what the booklet for
CIELCh(47, 21.231, 235.911)
contains.

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Color

CIELCh(47, 21.159, 234.201)

Conversions

Conversions Part 1

Format	Color
Hex	3E778C
RGB	62, 119, 140
RGB Percent	24%, 47%, 55%
CMY	0.7581, 0.5345, 0.4522
CMYK	0.56, 0.15, 0.00, 0.45
HSL	196°, 39%, 39%
HSV	196°, 56%, 55%
XYZ	13.2375, 16.0195, 27.0849
YIQ	104.3510, -40.7130, -5.5530

Conversions

Conversions Part 2

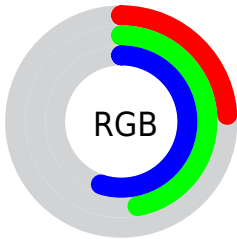
Format	Color
RYB	62, 95, 140
Decimal	4093836
CIELab	47.00, -12.38, -17.16
CIElCh	47, 21.159, 234.201
Yxy	16.0195, 0.2350, 0.2843
Android (android.graphics.Color)	4282283916 (0xFF3E778C)
YUV	104.3510, 17.5750, -37.1418
Hunter-Lab	40.0243, -11.0059, -12.1052

Details

The CIELCh color **47, 21.159, 234.201** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **41, 31.043, 46.112**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 21.215, 235.341**, and **27, 20.511, 234.805** is the 20% darker color. If you saturate the color by 10%, you get **45, 23.754, 236.556**, and if you desaturate by 10%, it is **49, 18.132, 232.326**.

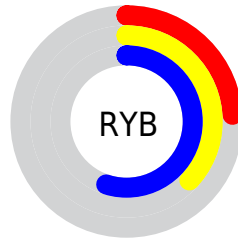
Distribution



Red (24%)

Green (47%)

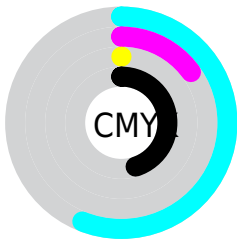
Blue (55%)



Red (24%)

Yellow (37%)

Blue (55%)

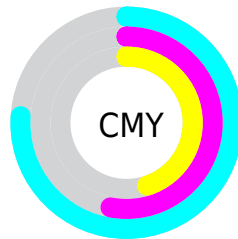


Cyan (56%)

Magenta (15%)

Yellow (0%)

Black (45%)



Cyan (76%)


Magenta (53%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 21.159, 234.201 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 47, 21.159, 234.201 by changing the saturation by 10% instead.


 47, 21.159,
234.201


 47, 21.159,
234.201


 100, 21.159,
234.201


 37, 21.159,
234.201

 67, 21.159,
234.201


 27, 21.159,
234.201

 77, 21.159,
234.201

 17, 21.159,
234.201

 87, 21.159,
234.201

 7, 21.159, 234.201

 97, 21.159,
234.201

 0, 21.159, 234.201

 47, 21.159,

 47, 21.159,

234.201

■ 45, 23.754,
236.556

■ 44, 25.910,
239.478

■ 42, 27.656,
243.034

■ 41, 29.090,
247.198

■ 40, 29.691,
248.921

234.201

■ 49, 18.132,
232.326

■ 51, 14.712,
230.851

■ 53, 10.947,
229.701

■ 55, 6.892, 228.822

■ 57, 2.601, 228.220

■ 59, 1.876, 47.319

■ 61, 6.497, 47.062

■ 64, 11.226, 46.780

■ 66, 16.031, 46.560

Harmonies

Complementary

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



47, 21.159, 234.201



41, 31.043, 46.112

Rectangle

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



47, 21.159, 234.201



47, 21.159, 284.201



47, 21.159, 54.201



47, 21.159, 104.201

Sweetspot

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



47, 21.158, 234.200



69, 9.102, 228.939



52, 44.065, 147.781



36, 6.109, 229.080



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



47, 21.158, 234.200



58, 29.466, 237.252



35, 37.317, 287.934



28, 2.463, 228.376



38, 28.546, 248.663



1, 1.166, 227.754

Inverse Universe

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



38, 44.010, 337.142



46, 62.436, 338.314



51, 34.983, 91.625



27, 4.508, 333.616



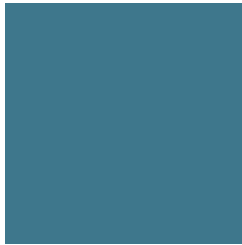
29, 58.260, 342.161



0, 2.078, 333.062

Previews

White Background



This preview shows how the CIELCh color 47, 21.159, 234.201 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 47, 21.159, 234.201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

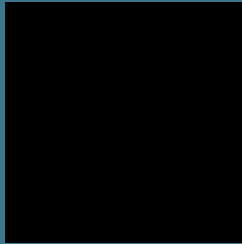
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 21.159, 234.201

Background



This preview shows how black text looks on a background with the CIELCh color 47, 21.159, 234.201.



This preview shows how white text looks on a background with the CIELCh color 47, 21.159, 234.201.

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


47, 21.159, 234.201

Protanopia

47, 14.263, 286.153

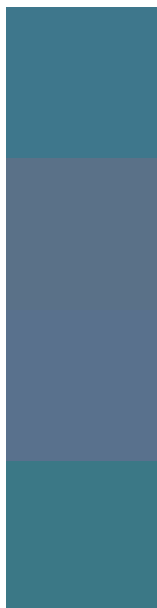
Deuteranopia

47, 19.579, 288.622



Tritanopia
47, 20.505, 214.395

Trichromacy



Original Color
47, 21.159, 234.201

Protanomaly
47, 15.558, 260.681

Deuteranomaly
47, 18.192, 265.464

Tritanomaly
47, 20.650, 221.466

Monochromacy



Original Color
47, 21.159, 234.201

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 8.811, 231.709

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 21.159, 234.201 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, 119, 140)` looks like.

```
.text, #text, p{  
    color:rgb(62, 119, 140)  
}
```

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, 119, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 119, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 21.159, 234.201 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, 119, 140) }
```

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

```
.border{ border-color:rgb(62, 119, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 119, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 119, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 119, 140);  
box-shadow:4px 4px 4px 4px rgb(62, 119,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 21.159, 234.201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 119, 140) }
```

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

```
.background{ background-color: rgb(62, 119,  
140) }
```

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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