

Converting Colors

CIELCh(47, 14.223, 222.263)

Have a look what the booklet for
CIELCh(47, 14.223, 222.263)
contains.

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Color

CIELCh(47, 14.152, 223.066)

Conversions

Conversions Part 1

Format	Color
Hex	50757F
RGB	80, 117, 127
RGB Percent	31%, 46%, 50%
CMY	0.6855, 0.5404, 0.5012
CMYK	0.37, 0.08, 0.00, 0.50
HSL	193°, 23%, 41%
HSV	193°, 37%, 50%
XYZ	13.5523, 16.0195, 22.5243
YIQ	107.0770, -25.2620, -4.7340

Conversions

Conversions Part 2

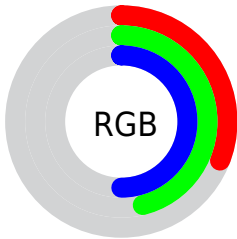
Format	Color
R _Y B	80, 101, 127
Decimal	5272959
CIE Lab	47.00, -10.34, -9.66
CIE LCh	47, 14.152, 223.066
Yxy	16.0195, 0.2601, 0.3075
Android (android.graphics.Color)	4283463039 (0xFF50757F)
YUV	107.0770, 9.8220, -23.7465
Hunter-Lab	40.0243, -9.6024, -5.3493

Details

The CIELCh color **47, 14.152, 223.066** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **42, 18.156, 40.564**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 14.233, 223.886**, and **27, 14.173, 222.257** is the 20% darker color. If you saturate the color by 10%, you get **45, 17.244, 224.141**, and if you desaturate by 10%, it is **49, 10.694, 222.256**.

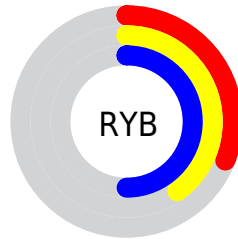
Distribution



Red (31%)

Green (46%)

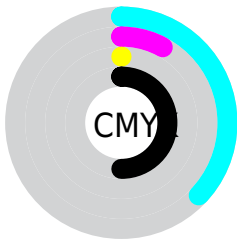
Blue (50%)



Red (31%)

Yellow (40%)

Blue (50%)

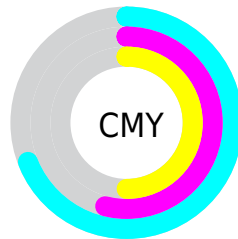


Cyan (37%)

Magenta (8%)

Yellow (0%)

Black (50%)



Cyan (69%)

Magenta (54%)

Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 14.152, 223.066 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, 14.152, 223.066 by changing the saturation by 10% instead.

 47, 14.152,
223.066

 47, 14.152,
223.066

 100, 14.152,
223.066


 37, 14.152,
223.066

 67, 14.152,
223.066


 27, 14.152,
223.066

 77, 14.152,
223.066


 17, 14.152,
223.066

 87, 14.152,
223.066

 7, 14.152, 223.066

 97, 14.152,
223.066

 0, 14.152, 223.066

 47, 14.152,

 47, 14.152,

223.066

223.066

■ 45, 17.244,
224.141

■ 49, 10.694,
222.256

■ 44, 19.917,
225.554

■ 50, 6.930, 221.674

■ 43, 22.129,
227.372

■ 52, 2.914, 221.318

■ 54, 1.300, 40.590

■ 42, 23.861,
229.673

■ 56, 5.669, 40.625

■ 40, 25.128,
232.532

■ 58, 10.152, 40.543

■ 60, 14.719, 40.506

■ 39, 26.043,
235.899

■ 62, 19.343, 40.511

■ 39, 26.324,
236.915

■ 64, 24.003, 40.551

Harmonies

Complementary

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



47, 14.152, 223.066



42, 18.156, 40.564

Rectangle

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



47, 14.152, 223.066



47, 14.152, 273.066



47, 14.152, 43.066



47, 14.152, 93.066

Sweetspot

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



47, 14.152, 223.063



66, 5.665, 221.436



49, 29.019, 147.706



34, 3.826, 221.477



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 14.152, 223.063



59, 20.236, 223.911



40, 20.446, 279.329



26, 2.355, 221.368



39, 26.370, 236.925



0, 0.000, 0.000

Inverse Universe

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



41, 28.875, 333.318



50, 42.329, 333.877



48, 20.295, 89.177



25, 4.400, 331.495



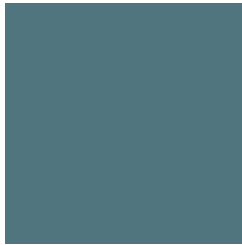
28, 58.924, 338.539



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 14.152, 223.066 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 CIE LCh color 47, 14.152, 223.066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

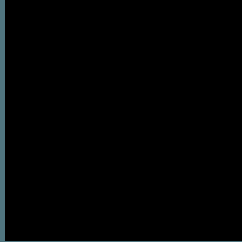
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 14.152, 223.066

Background



This preview shows how black text looks on a background with the CIELCh color 47, 14.152, 223.066.



This preview shows how white text looks on a background with the CIELCh color 47, 14.152, 223.066.

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, 14.152, 223.066

Protanopia

47, 7.708, 291.230

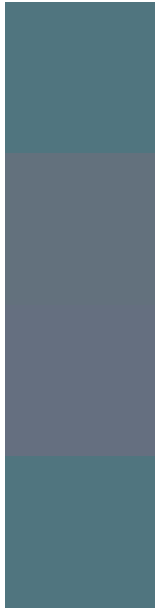
Deuteranopia

47, 12.648, 300.541



Tritanopia
47, 14.152, 223.066

Trichromacy



Original Color
47, 14.152, 223.066

Protanomaly
47, 8.719, 253.914

Deuteranomaly
47, 10.649, 270.998

Tritanomaly
47, 14.152, 223.066

Monochromacy



Original Color
47, 14.152, 223.066

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 5.711, 217.135

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 14.152, 223.066 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(80, 117, 127)` looks like.

```
.text, #text, p{  
    color:rgb(80, 117, 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(80, 117, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 117, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 14.152, 223.066 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(80, 117, 127) }
```

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

```
.border{ border-color:rgb(80, 117, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 117, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 117, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 117, 127);  
box-shadow:4px 4px 4px 4px rgb(80, 117,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 14.152, 223.066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 117, 127) }
```

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

```
.background{ background-color: rgb(80, 117,  
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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