

Converting Colors

CIELCh(47, 13.099, 226.082)

Have a look what the booklet for
CIELCh(47, 13.099, 226.082)
contains.

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Color

CIELCh(47, 13.022, 225.492)

Conversions

Conversions Part 1

Format	Color
Hex	54757F
RGB	84, 117, 127
RGB Percent	33%, 46%, 50%
CMY	0.6721, 0.5427, 0.5035
CMYK	0.34, 0.08, 0.00, 0.50
HSL	194°, 20%, 41%
HSV	194°, 34%, 50%
XYZ	13.7415, 16.0195, 22.3097
YIQ	108.2730, -22.8780, -3.8860

Conversions

Conversions Part 2

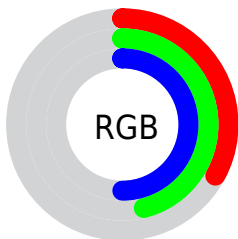
Format	Color
R_{YB}	84, 103, 127
Decimal	5535103
CIE _{Lab}	47.00, -9.13, -9.29
CIE _{LCh}	47, 13.022, 225.492
Yxy	16.0195, 0.2639, 0.3076
Android (android.graphics.Color)	4283725183 (0xFF54757F)
YUV	108.2730, 9.2324, -21.2874
Hunter-Lab	40.0243, -8.7582, -5.0314




Details

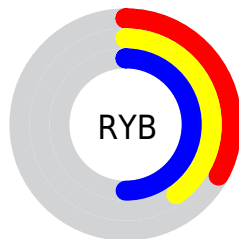
The CIELCh color $47, 13.022, 225.492$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $43, 16.248, 42.528$, and the grayscale version is $46, 0.006, 296.813$.




A 20% lighter version of the original color is $67, 13.090, 226.362$, and $27, 12.979, 224.848$ is the 20% darker color. If you saturate the color by 10%, you get $45, 16.221, 226.620$, and if you desaturate by 10%, it is $49, 9.490, 224.631$.

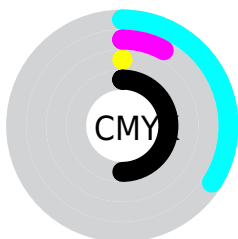
Distribution







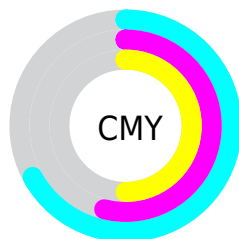
-  Red (33%)
-  Green (46%)
-  Blue (50%)






-  Red (33%)
-  Yellow (40%)
-  Blue (50%)



-  Cyan (34%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (50%)




-  Cyan (67%)
-  Magenta (54%)
-  Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 13.022, 225.492 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, 13.022, 225.492 by changing the saturation by 10% instead.

 47, 13.022,
225.492


 47, 13.022,
225.492

 100, 13.022,
225.492


 37, 13.022,
225.492

 67, 13.022,
225.492


 27, 13.022,
225.492

 77, 13.022,
225.492


 17, 13.022,
225.492


 87, 13.022,
225.492

 7, 13.022, 225.492

 97, 13.022,
225.492

 0, 13.022, 225.492

 47, 13.022,

 47, 13.022,

225.492

■ 45, 16.221,
226.620

■ 44, 19.035,
228.088

■ 42, 21.420,
229.967

■ 41, 23.354,
232.337

■ 40, 24.844,
235.275

■ 39, 25.949,
238.819

■ 38, 26.583,
241.012

225.492

■ 49, 9.490, 224.631

■ 50, 5.681, 224.005

■ 52, 1.648, 223.686

■ 54, 2.563, 42.957

■ 56, 6.909, 42.806

■ 58, 11.357, 42.666

■ 60, 15.876, 42.577

■ 62, 20.444, 42.534

■ 64, 25.041, 42.526

Harmonies

Complementary

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



47, 13.022, 225.492



43, 16.248, 42.528

Rectangle

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



47, 13.022, 225.492



47, 13.022, 275.492



47, 13.022, 45.492



47, 13.022, 95.492

Sweetspot

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



47, 13.022, 225.488



66, 5.121, 223.831



49, 26.272, 148.563



34, 3.511, 223.882



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, 13.022, 225.488



59, 19.013, 226.373



41, 19.048, 279.912



26, 2.335, 223.786



38, 26.723, 241.046



0, 0.000, 0.000

Inverse Universe

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



41, 26.120, 333.875



51, 39.071, 334.445



49, 18.814, 90.829



25, 4.339, 332.215



28, 58.108, 339.739



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 13.022, 225.492 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, 13.022, 225.492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

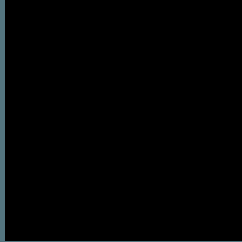
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 13.022, 225.492

Background



This preview shows how black text looks on a background with the CIELCh color 47, 13.022, 225.492.



This preview shows how white text looks on a background with the CIELCh color 47, 13.022, 225.492.

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, 13.022, 225.492

Protanopia

47, 7.708, 291.230

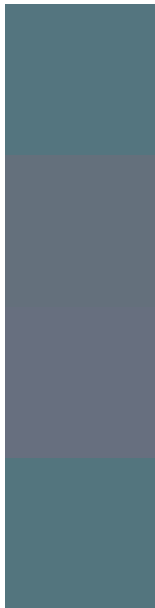
Deuteranopia

47, 12.133, 302.725



Tritanopia
47, 13.125, 222.335

Trichromacy



Original Color
47, 13.022, 225.492

Protanomaly
47, 8.331, 258.060

Deuteranomaly
47, 9.874, 273.679

Tritanomaly
47, 13.125, 222.335

Monochromacy



Original Color
47, 13.022, 225.492

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 5.209, 226.219

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 13.022, 225.492 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(84, 117, 127)` looks like.

```
.text, #text, p{  
    color:rgb(84, 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(84, 117, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 117, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 13.022, 225.492 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(84, 117, 127) }
```

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

```
.border{ border-color:rgb(84, 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(84, 117, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 117, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 117, 127);  
box-shadow:4px 4px 4px 4px rgb(84, 117,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 13.022, 225.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 117, 127) }
```

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

```
.background{ background-color: rgb(84, 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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