

Converting Colors

CIELCh(47, 23.960, 224.019)

Have a look what the booklet for
CIELCh(47, 23.960, 224.019)
contains.

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Color

CIELCh(47, 24.079, 223.914)

Conversions

Conversions Part 1

Format	Color
Hex	2C798B
RGB	44, 121, 139
RGB Percent	17%, 47%, 55%
CMY	0.8283, 0.5262, 0.4556
CMYK	0.68, 0.13, 0.00, 0.46
HSL	191°, 52%, 36%
HSV	191°, 68%, 54%
XYZ	12.4906, 16.0195, 26.7883
YIQ	100.0290, -51.6700, -10.7260

Conversions

Conversions Part 2

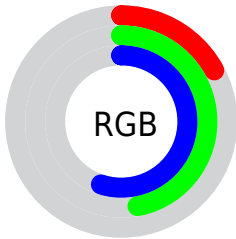
Format	Color
R_{YB}	44, 87, 139
Decimal	2914699
CIE _{Lab}	47.00, -17.35, -16.70
CIE _{LCh}	47, 24.079, 223.914
Yxy	16.0195, 0.2259, 0.2897
Android (android.graphics.Color)	4281104779 (0xFF2C798B)
YUV	100.0290, 19.2127, -49.1374
Hunter-Lab	40.0243, -14.3370, -11.6658

Details

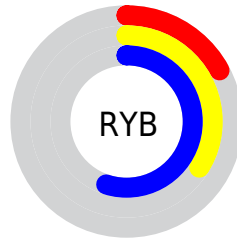
The CIELCh color $47, 24.079, 223.914$ is a dark color, and the websafe version is hex 336666 . A complement of this color would be $36, 41.229, 40.275$, and the grayscale version is $42, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 24.158, 223.790$, and $28, 20.230, 230.654$ is the 20% darker color. If you saturate the color by 10%, you get $46, 25.754, 226.040$, and if you desaturate by 10%, it is $48, 21.853, 222.247$.

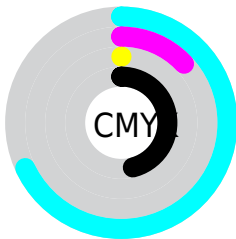
Distribution



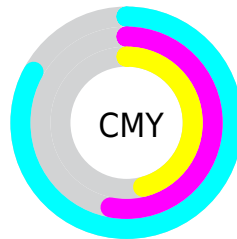
- Red (17%)
- Green (47%)
- Blue (55%)



- Red (17%)
- Yellow (34%)
- Blue (55%)



- Cyan (68%)
- Magenta (13%)
- Yellow (0%)
- Black (46%)




- Cyan (83%)
- Magenta (53%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 24.079, 223.914 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, 24.079, 223.914 by changing the saturation by 10% instead.


 47, 24.079,
223.914


 47, 24.079,
223.914


 100, 24.079,
223.914


 37, 24.079,
223.914

 67, 24.079,
223.914


 27, 24.079,
223.914

 77, 24.079,
223.914

 17, 24.079,
223.914

 87, 24.079,
223.914

 7, 24.079, 223.914

 97, 24.079,
223.914

 0, 24.079, 223.914

 47, 24.079,

 47, 24.079,

223.914

■ 46, 25.754,
226.040

■ 45, 26.899,
228.700

■ 44, 27.667,
231.817

■ 44, 27.786,
232.292

223.914

■ 48, 21.853,
222.247

■ 50, 19.097,
220.968

■ 51, 15.855,
220.009

■ 53, 12.188,
219.309

■ 54, 8.162, 218.823

■ 56, 3.842, 218.540

■ 58, 0.711, 37.633

■ 60, 5.444, 38.030

■ 62, 10.312, 38.031

Harmonies

Complementary

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



47, 24.079, 223.914



36, 41.229, 40.275

Rectangle

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



47, 24.079, 223.914



47, 24.079, 273.914



47, 24.079, 43.914



47, 24.079, 93.914

Sweetspot

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



47, 24.078, 223.913



69, 11.428, 218.948



51, 55.628, 143.273



36, 7.737, 219.062



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, 24.078, 223.913



58, 32.123, 227.388



32, 41.174, 286.219



28, 2.540, 218.551



42, 26.872, 232.118



1, 1.206, 218.263

Inverse Universe

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



35, 54.125, 334.631



43, 73.762, 335.821



48, 39.957, 83.468



27, 4.771, 330.673



29, 61.620, 337.211



0, 2.201, 330.156

Previews

White Background



This preview shows how the CIELCh color 47, 24.079, 223.914 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, 24.079, 223.914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

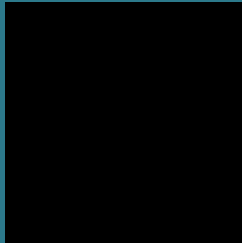
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

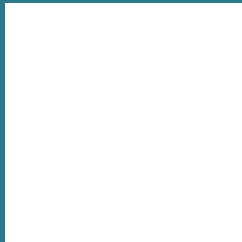
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 24.079, 223.914

Background



This preview shows how black text looks on a background with the CIELCh color 47, 24.079, 223.914.

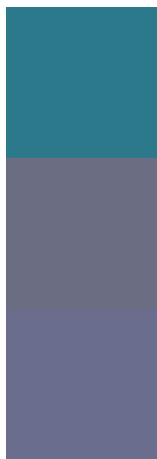


This preview shows how white text looks on a background with the CIELCh color 47, 24.079, 223.914.

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, 24.079, 223.914

Protanopia

47, 12.472, 286.694

Deuteranopia

47, 18.975, 289.467



Tritanopia
47, 24.356, 211.274

Trichromacy



Original Color
47, 24.079, 223.914

Protanomaly
46, 15.449, 249.210

Deuteranomaly
46, 18.545, 259.174

Tritanomaly
47, 24.238, 214.348

Monochromacy



Original Color
47, 24.079, 223.914

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 10.909, 217.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 24.079, 223.914 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(44, 121, 139)` looks like.

```
.text, #text, p{  
    color:rgb(44, 121, 139)  
}
```

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(44, 121, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 121, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 24.079, 223.914 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(44, 121, 139) }
```

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

```
.border{ border-color:rgb(44, 121, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 121, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 121, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 121, 139);  
box-shadow:4px 4px 4px 4px rgb(44, 121,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 24.079, 223.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 121, 139) }
```

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

```
.background{ background-color: rgb(44, 121,  
139) }
```

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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