

Converting Colors

CIELCh(47, 23.968, 205.485)

Have a look what the booklet for
CIELCh(47, 23.968, 205.485)
contains.

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Color

CIELCh(47, 23.948, 205.617)

Conversions

Conversions Part 1

Format	Color
Hex	2B7A80
RGB	43, 122, 128
RGB Percent	17%, 48%, 50%
CMY	0.8309, 0.5212, 0.4977
CMYK	0.66, 0.05, 0.00, 0.50
HSL	184°, 50%, 34%
HSV	184°, 66%, 50%
XYZ	11.8748, 16.0195, 22.9210
YIQ	99.0630, -49.0100, -14.8820

Conversions

Conversions Part 2

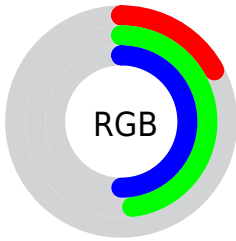
Format	Color
R_{YB}	43, 84, 128
Decimal	2849408
CIE _{Lab}	47.00, -21.59, -10.35
CIE _{LCh}	47, 23.948, 205.617
Yxy	16.0195, 0.2337, 0.3152
Android (android.graphics.Color)	4281039488 (0xFF2B7A80)
YUV	99.0630, 14.2659, -49.1673
Hunter-Lab	40.0243, -17.0832, -5.9370

Details

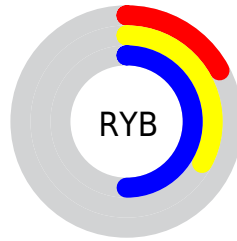
The CIELCh color **47, 23.948, 205.617** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **32, 39.909, 32.286**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 24.023, 205.529**, and **28, 19.621, 208.236** is the 20% darker color. If you saturate the color by 10%, you get **46, 25.655, 206.121**, and if you desaturate by 10%, it is **48, 21.649, 205.289**.

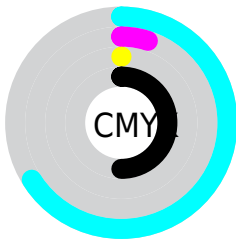
Distribution



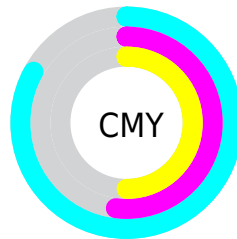
- Red (17%)
- Green (48%)
- Blue (50%)



- Red (17%)
- Yellow (33%)
- Blue (50%)



- Cyan (66%)
- Magenta (5%)
- Yellow (0%)
- Black (50%)




- Cyan (83%)
- Magenta (52%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 23.948, 205.617 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, 23.948, 205.617 by changing the saturation by 10% instead.

 47, 23.948,
205.617


 47, 23.948,
205.617


 100, 23.948,
205.617


 37, 23.948,
205.617

 67, 23.948,
205.617


 27, 23.948,
205.617

 77, 23.948,
205.617

 17, 23.948,
205.617

 87, 23.948,
205.617

 7, 23.948, 205.617

 97, 23.948,
205.617

 0, 23.948, 205.617

 47, 23.948,

 47, 23.948,

205.617

■ 46, 25.655,
206.121

■ 46, 26.769,
206.826

■ 45, 27.375,
207.725

■ 45, 27.567,
208.061

205.617

■ 48, 21.649,
205.289

■ 49, 18.790,
205.119

■ 49, 15.424,
205.084

■ 50, 11.616,
205.165

■ 52, 7.439, 205.349

■ 53, 2.962, 205.670

■ 54, 1.749, 25.605

■ 56, 6.636, 26.119

■ 57, 11.648, 26.526

Harmonies

Complementary

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



47, 23.948, 205.617



32, 39.909, 32.286

Rectangle

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



47, 23.948, 205.617



47, 23.948, 255.617



47, 23.948, 25.617



47, 23.948, 75.617

Sweetspot

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



47, 23.948, 205.616



65, 11.104, 205.261



47, 54.911, 140.393



34, 7.577, 205.218



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, 23.948, 205.616



59, 31.788, 206.482



34, 31.256, 276.056



26, 2.607, 205.557



45, 27.476, 208.055



0, 0.000, 0.000

Inverse Universe

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



33, 53.777, 329.878



41, 73.981, 330.518



42, 34.493, 73.607



25, 4.862, 326.868



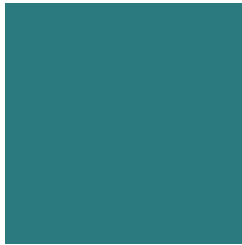
29, 65.517, 331.157



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 23.948, 205.617 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, 23.948, 205.617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

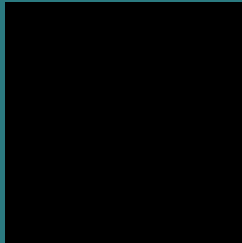
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 23.948, 205.617

Background



This preview shows how black text looks on a background with the CIELCh color 47, 23.948, 205.617.



This preview shows how white text looks on a background with the CIELCh color 47, 23.948, 205.617.

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, 23.948, 205.617

Protanopia

47, 5.931, 290.993

Deuteranopia

47, 13.769, 298.326



Tritanopia
47, 23.521, 210.338

Trichromacy



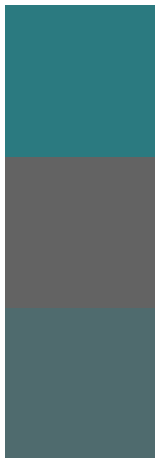
Original Color
47, 23.948, 205.617

Protanomaly
46, 11.390, 226.580

Deuteranomaly
46, 13.430, 247.780

Tritanomaly
47, 23.706, 208.711

Monochromacy



Original Color
47, 23.948, 205.617

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 10.663, 208.029

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 23.948, 205.617 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(43, 122, 128)` looks like.

```
.text, #text, p{  
    color:rgb(43, 122, 128)  
}
```

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(43, 122, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 122, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 23.948, 205.617 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(43, 122, 128) }
```

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

```
.border{ border-color:rgb(43, 122, 128) }
```

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

Here you see how a box with a 4 pixel rgb(43, 122, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 122, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 122, 128);  
box-shadow:4px 4px 4px 4px rgb(43, 122,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 23.948, 205.617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 122, 128) }
```

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

```
.background{ background-color: rgb(43, 122,  
128) }
```

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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