

Converting Colors

CIELCh(47, 28.647, 233.090)

Have a look what the booklet for
CIELCh(47, 28.647, 233.090)
contains.

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Color

CIELCh(47, 28.616, 233.192)

Conversions

Conversions Part 1

Format	Color
Hex	107995
RGB	16, 121, 149
RGB Percent	6%, 47%, 58%
CMY	0.9384, 0.5245, 0.4147
CMYK	0.89, 0.19, 0.00, 0.41
HSL	193°, 81%, 32%
HSV	193°, 89%, 59%
XYZ	12.5203, 16.0195, 30.9717
YIQ	92.7970, -71.5680, -13.5520

Conversions

Conversions Part 2

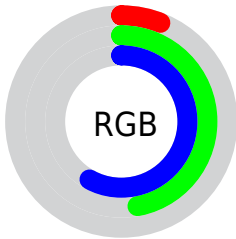
Format	Color
RYB	16, 75, 149
Decimal	1079701
CIELab	47.00, -17.14, -22.91
CIELCh	47, 28.616, 233.192
Yxy	16.0195, 0.2104, 0.2692
Android (android.graphics.Color)	4279269781 (0xFF107995)
YUV	92.7970, 27.7081, -67.3510
Hunter-Lab	40.0243, -14.2046, -17.8629

Details

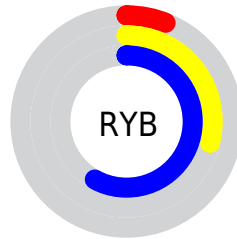
The CIELCh color **47, 28.616, 233.192** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **34, 59.054, 43.427**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 28.561, 233.691**, and **28, 22.692, 246.185** is the 20% darker color. If you saturate the color by 10%, you get **46, 29.517, 236.745**, and if you desaturate by 10%, it is **48, 27.375, 230.108**.

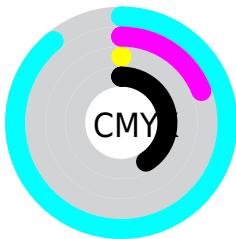
Distribution



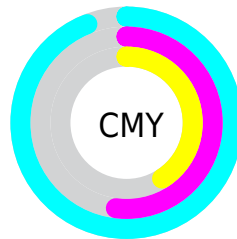
- Red (6%)
- Green (47%)
- Blue (58%)



- Red (6%)
- Yellow (29%)
- Blue (58%)



- Cyan (89%)
- Magenta (19%)
- Yellow (0%)
- Black (41%)



- Cyan (94%)
- Magenta (52%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 28.616, 233.192 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, 28.616, 233.192 by changing the saturation by 10% instead.


 47, 28.616,
233.192


 47, 28.616,
233.192

 100, 28.616,
233.192


 37, 28.616,
233.192

 67, 28.616,
233.192


 27, 28.616,
233.192

 77, 28.616,
233.192

 17, 28.616,
233.192

 87, 28.616,
233.192

 7, 28.616, 233.192

 97, 28.616,
233.192

 0, 28.616, 233.192

 47, 28.616,

 47, 28.616,

233.192

233.192

■ 46, 29.517,
236.745

■ 48, 27.375,
230.108

■ 46, 29.565,
236.926

■ 50, 25.611,
227.614

■ 51, 23.288,
225.641

■ 53, 20.417,
224.108

■ 54, 17.040,
222.938

■ 56, 13.218,
222.062

■ 58, 9.018, 221.427

■ 60, 4.508, 221.010



Harmonies

Complementary

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



47, 28.616, 233.192



34, 59.054, 43.427

Rectangle

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



47, 28.616, 233.192



47, 28.616, 283.192



47, 28.616, 53.192



47, 28.616, 103.192

Sweetspot

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



47, 28.615, 233.192



72, 15.077, 221.921



54, 70.636, 140.406



37, 10.024, 222.145



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



47, 28.615, 233.192



59, 35.949, 237.828



27, 60.142, 294.386



30, 2.667, 221.002



42, 27.856, 236.605



2, 2.385, 220.623

Inverse Universe

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



34, 64.644, 337.438



44, 79.883, 338.796



49, 52.642, 81.305



29, 4.991, 331.400



31, 62.366, 338.448



1, 4.338, 330.867

Previews

White Background



This preview shows how the CIE LCh color 47, 28.616, 233.192 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, 28.616, 233.192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

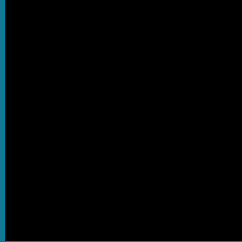
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 28.616, 233.192

Background



This preview shows how black text looks on a background with the CIELCh color 47, 28.616, 233.192.

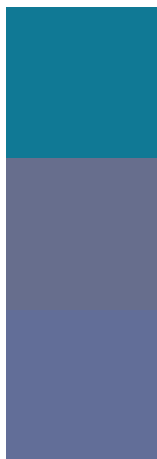


This preview shows how white text looks on a background with the CIELCh color 47, 28.616, 233.192.

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, 28.563, 233.274

Protanopia

47, 18.461, 284.874

Deuteranopia

47, 25.043, 284.219

Trichromacy



Original Color
47, 28.563, 233.274

Protanomaly
46, 21.834, 253.787

Deuteranomaly
46, 25.313, 259.541

Monochromacy



Original Color
47, 28.563, 233.274

Achromatopsia
39, 0.006, 296.813

Achromatomaly
41, 14.488, 222.937

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 28.616, 233.192 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(16, 121, 149)` looks like.

```
.text, #text, p{  
    color:rgb(16, 121, 149)  
}
```

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(16, 121, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 121, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 28.616, 233.192 is called "border". The border property can be set on classes, ids or directly on the HTML element.

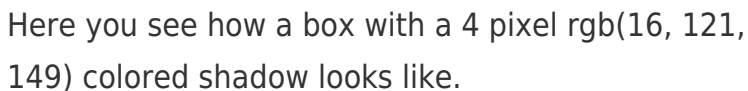
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(16, 121, 149) }
```

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

```
.border{ border-color:rgb(16, 121, 149) }
```

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



Here you see how a box with a 4 pixel `rgb(16, 121, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(16, 121, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(16, 121, 149); box-shadow:4px 4px 4px 4px rgb(16, 121, 149) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 28.616, 233.192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 121, 149) }
```

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

```
.background{ background-color: rgb(16, 121,  
149) }
```

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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