

Converting Colors

CIELCh(47, 32.117, 251.100)

Have a look what the booklet for
CIELCh(47, 32.117, 251.100)
contains.

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Color

CIELCh(47, 32.117, 251.100)

Conversions

Conversions Part 1

Format	Color
Hex	1A77A2
RGB	26, 119, 162
RGB Percent	10%, 47%, 64%
CMY	0.8981, 0.5334, 0.3647
CMYK	0.84, 0.27, 0.00, 0.36
HSL	199°, 72%, 37%
HSV	199°, 84%, 64%
XYZ	13.5423, 16.0195, 36.5571
YIQ	96.0950, -69.2310, -6.3430

Conversions

Conversions Part 2

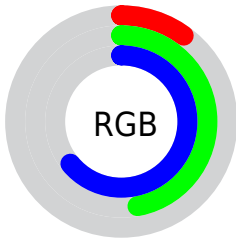
Format	Color
R _Y B	26, 81, 162
Decimal	1734562
CIE Lab	47.00, -10.40, -30.39
CIE LCh	47, 32.117, 251.100
Yxy	16.0195, 0.2048, 0.2423
Android (android.graphics.Color)	4279924642 (0xFF1A77A2)
YUV	96.0950, 32.4912, -61.4733
Hunter-Lab	40.0243, -9.6470, -26.1368

Details

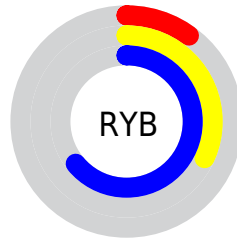
The CIELCh color **47, 32.117, 251.100** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **41, 55.970, 49.713**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 32.168, 251.102**, and **28, 28.141, 262.916** is the 20% darker color. If you saturate the color by 10%, you get **45, 34.306, 255.676**, and if you desaturate by 10%, it is **49, 29.654, 247.162**.

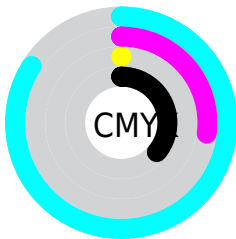
Distribution



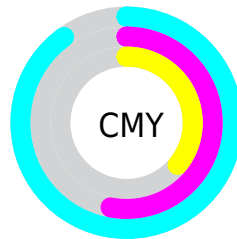
- Red (10%)
- Green (47%)
- Blue (64%)



- Red (10%)
- Yellow (32%)
- Blue (64%)



- Cyan (84%)
- Magenta (27%)
- Yellow (0%)
- Black (36%)




- Cyan (90%)
- Magenta (53%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 32.117, 251.100 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, 32.117, 251.100 by changing the saturation by 10% instead.


 47, 32.117,
251.100

 47, 32.117,
251.100


 100, 32.117,
251.100


 37, 32.117,
251.100

 67, 32.117,
251.100


 27, 32.117,
251.100

 77, 32.117,
251.100

 17, 32.117,
251.100

 87, 32.117,
251.100

 7, 32.117, 251.100

 97, 32.117,
251.100

 0, 32.117, 251.100

 47, 32.117,

 47, 32.117,

251.100

■ 45, 34.306,
255.676

■ 44, 35.626,
258.515

251.100

■ 49, 29.654,
247.162

■ 51, 26.821,
243.874

■ 53, 23.575,
241.184

■ 56, 19.917,
239.012

■ 58, 15.879,
237.274

■ 60, 11.507,
235.892

■ 63, 6.858, 234.807

■ 66, 1.983, 234.074

Harmonies

Complementary

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



47, 32.117, 251.100



41, 55.970, 49.713

Rectangle

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



47, 32.117, 251.100



47, 32.117, 301.100



47, 32.117, 71.100



47, 32.117, 121.100

Sweetspot

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



47, 32.116, 251.101



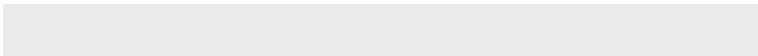
77, 14.874, 236.082



58, 67.389, 144.330



40, 10.140, 236.524



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



47, 32.116, 251.101



57, 43.903, 259.582



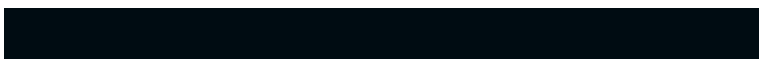
28, 69.172, 297.836



33, 2.823, 234.398



40, 32.750, 258.002



3, 4.501, 240.682

Inverse Universe

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



37, 62.897, 342.967



47, 79.261, 346.312



57, 56.596, 90.293



32, 5.021, 335.541



32, 60.333, 345.647



1, 7.441, 337.417

Previews

White Background



This preview shows how the CIELCh color 47, 32.117, 251.100 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, 32.117, 251.100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

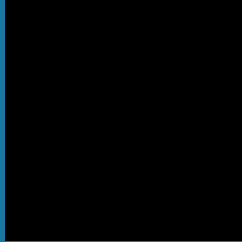
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 32.117, 251.100

Background



This preview shows how black text looks on a background with the CIELCh color 47, 32.117, 251.100.

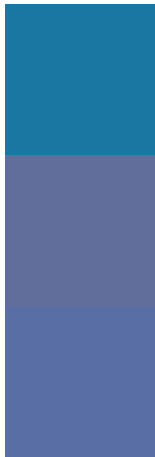


This preview shows how white text looks on a background with the CIELCh color 47, 32.117, 251.100.

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, 32.117, 251.100

Protanopia
47, 26.816, 285.192

Deuteranopia
47, 32.358, 282.285



Tritanopia
47, 28.189, 208.950

Trichromacy



Original Color
47, 32.117, 251.100

Protanomaly
46, 28.274, 267.251

Deuteranomaly
46, 31.810, 268.788

Tritanomaly
47, 28.070, 225.085

Monochromacy



Original Color
47, 32.117, 251.100

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 14.728, 239.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 32.117, 251.100 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(26, 119, 162)` looks like.

```
.text, #text, p{  
    color:rgb(26, 119, 162)  
}
```

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(26, 119, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 119, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 32.117, 251.100 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(26, 119, 162) }
```

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

```
.border{ border-color:rgb(26, 119, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 119, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 119, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 119, 162);  
box-shadow:4px 4px 4px 4px rgb(26, 119,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 32.117, 251.100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 119, 162) }
```

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

```
.background{ background-color: rgb(26, 119,  
162) }
```

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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